

## APPENDIX A

### Section III

#### ECONOMIC INDICATORS

Provide a detailed analysis of the local economy, the labor pool, and labor market. The LWIB should use LMI resources such as the *Training and Education Research Model (TERM), County Indicators for Arizona, etc.*) The analysis must include:

##### 1. The current makeup of the local economic base by industry.

#### MOHAVE AND LA PAZ COUNTIES DETAILED ANALYSIS

The Mohave/La Paz Local Workforce Investment Area (LWIA) encompasses the northwest corner of Arizona. The region boasts over 1,000 miles of shoreline and is a great water sports center. This area has the longest stretch of historic Route 66 as well as two interstate highways. The population is centered in the communities of Kingman, Bullhead City, Lake Havasu City, Colorado City, Quartzsite and Parker. Each of these communities is pro-growth and reflects the modernization and globalization of the state.

The Colorado River, the man-made lakes, Lake Mohave and Lake Havasu, and the Parker Strip play an important role in the economy of the region. Tourism and recreation are big business for Mohave/La Paz Counties. Government, recreation service, gaming and manufacturing related jobs continue to grow to support the increasing population of the region. Bullhead City, Laughlin's bedroom community across the Colorado River, has been showing significant growth. Mohave/La Paz Counties benefit from employment opportunities across the Colorado River; however, the statistics are not part of the LWIA job statistics.

With a labor force of over 100,000 people, the Mohave/La Paz Region continues to be one of the fastest growing areas in Arizona and the United States. The region's population grew by approximately 3.8% in 2007, exceeding the growth rates for both Arizona and the United States.

Although our population is growing rapidly, levels of educational attainment, employment and income are not keeping pace. In 2007, the unemployment rate in the region's most populated Micropolitan Statistical Area, Kingman/Lake Havasu, spiked from 4.6% to over 6%. Less than 10% of our population currently holds a Bachelor's degree and per capita personal income has dipped below 75% of the state average in recent years.

##### 1.1 COUNTY INDICATORS

(County Indicators for Arizona – June 2007, L.William Seidman Research Institute, W.P. Carey School of Business, Arizona State University)

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### **La Paz County**

La Paz County, created in 1983, is the third smallest of Arizona's counties, with 4,518 square miles in the western portion of Arizona. The county has Arizona's lowest population density. La Paz County is bordered by California and the Colorado River on the west. Private individuals or corporations own 5.3% of the land.

La Paz County was the second smallest in population size among Arizona's fifteen counties in 2006, with 21,255 residents, according to estimates produced by the Arizona Department of Economic Security. The county population increased by only 0.3% in 2006, while Arizona overall recorded a growth rate of 3.7 percent. The birth rate for the county (17.1 per 1,000 persons) was greater than the Arizona average (15.8 per 1,000).

#### Personal Income Indicators

La Paz County accounts for 0.3% of Arizona's population and county personal income made up 0.2% of the state total in 2005. Personal income in La Paz County grew by 6.1% in 2005, less than the 8.9% personal income growth rate for the state overall. Per capita personal income in La Paz County (\$20,683) was fifth lowest among all fifteen Arizona counties, and 68.9% of the Arizona average of \$30,019. Historically, per capita personal income in La Paz County has been below 75% of the state average since the county was formed.

#### Employment Indicators

The La Paz County unemployment rate for the year 2006 averaged 5.8%, compared to 4.1% reported state-wide. The La Paz County unemployment rate was the 5<sup>th</sup> highest among all counties. Non-farm employment in La Paz County grew by 2.3% between 2005 and 2006, about one-half the Arizona employment growth rate of 5.4%. The La Paz County non-farm average wage was \$24,719, or 65.3% of the Arizona average wage.

#### Economic Activity Indicators

Retail sales in La Paz County were \$121.3 million in 2006, accounting for 0.2% of the Arizona total. Sales decreased by 8.9% in 2006, while the Arizona percentage growth rate was 7.4% state-wide. Per capita retail sales were \$5,708 in La Paz County. This figure is 66.2% of the Arizona per capita average retail sales.

Construction activity includes residential building, commercial and industrial facilities, and all other types of structures including public and institutional. La Paz County reported \$20.6 million residential building permits in 2006, or 0.2% of the state total residential permit value. Construction has suffered a downturn not reflected in these numbers since 2006.

#### Education and Socio-Economic Indicators

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La Paz County school enrollment in grades K-12 in all public and private schools was 2,742 in 2006, 0.2% of the Arizona total. The dropout rate for 2005 was 5.9% in La Paz County schools, compared to 4.7% statewide.

There were 782 students on free or reduced price lunch programs. The ratio of students on free or reduced price lunch programs was 28.5%.

La Paz County received \$185.8 million in funds from various federal programs in 2006, or 0.5% of the Arizona total.

### **Mohave County**

Mohave County covers 13,479 square miles in the northwest corner of Arizona and is the second largest Arizona county in land area. The county has 1,000 miles of shoreline along Lake Mead. The county seat is Kingman. Private individuals or corporations own 17.2 percent of the land.

#### Demographic Indicators

Mohave County ranked 5<sup>th</sup> in population size among Arizona's fifteen counties in 2006, with 198,320 residents, according to estimates produced by the Arizona Department of Economic Security. The county population grew by 5.5% in 2006, exceeding the Arizona growth rate of 3.7%. The birth rate for the county (17.3 per 1,000 persons) was also greater than the Arizona average (15.8 per 1,000).

#### Personal Income Indicators

Mohave County accounts for 3.1% of Arizona's population and the county personal income made up 2.3% of the state total in 2005. Personal income in Mohave County grew by 8.9% in 2005, matching the personal income growth rate for the state overall. Per capita personal income in Mohave County (\$22,055) was 8th among all fifteen Arizona counties, and 73.5% of the Arizona average of \$30,019. Historically, per capita personal income dipped below 85% of the state average in the 1990s and has been below 75% in recent years.

#### Employment Indicators

The Mohave County unemployment rate for the year 2006 averaged 4.3%, compared to 4.1% reported state-wide. The Mohave County unemployment rate was the fifth lowest among all counties. Non-farm employment in Mohave County grew by 5.1% between 2005 and 2006, slightly below the Arizona employment growth rate of 5.4%. The Mohave County non-farm average wage was \$28,406, or 75.1% of the Arizona average wage.

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### Economic Activity Indicators

Retail sales in Mohave County were \$1.6 billion in 2006, accounting for 2.9% of the Arizona total. Sales grew by 4.6% in 2006, compared to 7.4% state-wide. Per capita retail sales were \$7,818 in Mohave County. This figure is 90.7% of the Arizona per capita average retail sales.

Construction activity includes residential building, commercial and industrial facilities, and all other types of structures including public and institutional. Mohave County reported \$368 million residential building permits in 2006, or 3.3% of the state total residential permit value. Construction activity has suffered a downturn since 2006 that is not reflected in these numbers.

### Education and Socio-Economic Indicators

Mohave County school enrollment in grades K-12 in all public and private schools was 27,955 in 2006, 2.5% of the Arizona total. The dropout rate for 2005 was 8.2% in Mohave County schools, compared to 4.7% statewide.

There were 12,838 students on free or reduced price lunch programs. The ratio of students on free or reduced price lunch programs was 45.9%.

### **1.2 LOCAL ECONOMIC BASE BY INDUSTRY (AZ Dept. of Commerce County Profiles)**

#### **2006 Employment by Sector – La Paz County**

|                                   |       |
|-----------------------------------|-------|
| Goods Producing                   | 500   |
| Government                        | 2,125 |
| Other Private Service Providing   | 1,450 |
| Trade, Transportation & Utilities | 1,325 |

#### **2006 Employment by Sector – Mohave County**

|                                   |        |
|-----------------------------------|--------|
| Mining and Construction           | 7,325  |
| Educational & Health Services     | 7,125  |
| Financial Activities              | 2,275  |
| Government                        | 7,850  |
| Leisure & Hospitality             | 6,875  |
| Manufacturing                     | 3,525  |
| Information                       | 925    |
| Professional & Business Services  | 3,925  |
| Trade, Transportation & Utilities | 11,750 |

2. **Industries and occupations most critical to the Local Workforce Investment Area (LWIA) and which occupations are expected to grow or decline in the short term and over the next decade.**

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### 2.1 PROJECTED OCCUPATIONAL DEMAND

**MOHAVE/LA PAZ COUNTIES TERM REPORT** (Training and Education Resource Model) Department of Economic Security Research Administration).

The DES Research Administration TERM report presents a ranking of occupational areas in Mohave and La Paz Counties (requiring less than a Bachelor's Degree) based on weighted averages of openings, wages, skills, growth and turnover. The rankings provide a basis for projecting workforce needs and for targeting training initiatives and program support.

Information from the TERM report is excerpted below.

#### **DES Research Administration - Training and Education Resource Model (TERM)**

##### **Mohave and La Paz Counties TERM Report**

| Occupation                                                   | Score | Openings | Wages<br>(hourly) | Growth% |
|--------------------------------------------------------------|-------|----------|-------------------|---------|
| 1. Nursing                                                   | 88.5  | 123      | \$20.16           | 12.9    |
| 2. Real Estate                                               | 75.9  | 27       | \$54.23           | 17.1    |
| 3. Electrical and Power Transmission Installers              | 74.9  | 28       | \$15.53           | 12.5    |
| 4. Finishing Management Building/Construction and Inspection | 69.1  | 148      | \$13.12           | 11.3    |
| 5. Construction Trades, Other                                | 65.8  | 100      | \$13.05           | 10.8    |
| 6. Business Administration, Management and Operations        | 64    | 27       | \$23.92           | 7.3     |

Other ranked occupational areas are:

7. Ground Transportation
8. Criminal Justice and Corrections
9. Carpenters
10. Plumbing and Related Water Supply Services
11. Business Operations Support and Assistive Services
12. Health and Medical Administrative Services
13. Applied Horticulture/Horticultural Business Services
14. Vehicle Maintenance and Repair Technologies
15. Dental Support Services and Allied Professions
16. General Sales, Merchandising and Related Marketing Operations (NEW)
17. Accounting and Related Services
18. Fire Protection
19. Health Aides/ Attendants/ Orderlies
20. Finance and Financial Management Services
21. Allied Health and Medical Assisting Services
22. Culinary Arts and Related Services
23. Teaching Assistants/ Aides

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24. Heavy/Industrial Equipment Maintenance Technology
25. Foods, Nutrition, and Related Services
26. Human Development, Family Studies, and Related Services
27. Mason/Masonry
28. Agricultural Production Operation

Building upon the TERM report and as part of an overall economic development strategy, cities within the Mohave/La Paz Local Workforce Investment Area are focusing on expanding employment in a number of industries of opportunity that will be economically vital to the area's future and may result in increased employment demand over the long term. (See below)

### **CURRENT AND PROJECTED EMPLOYMENT OPPORTUNITIES BASED ON NRER AND TERM**

#### **Sector Employment Opportunities:**

Based on the North River Economic Development Region (NRER) analysis and the DES Training and Education Resource Model (TERM) Report, workforce needs are projected in the following industries:

- Healthcare and Social Assistance Services, including
  - Nursing,
  - Health and Medical Administrative Services
  - Dental Support Services and Allied Professions,
  - Health Aides/Orderlies/Attendants,
  - Allied Health and Medical Assisting Services
  - Foods, Nutrition, and Related Services,
  - Human Development, Family Studies, and Related Services
- Transportation, communications, and public utilities (TCPU), including: -
  - Ground Transportation,
  - Vehicle Maintenance and Repair Technologies,
  - Electrical and Power Transmission Installers
- Construction and Manufacturing, including
  - Carpenters,
  - Finishing, Management and Inspection,
  - Plumbing and Related Water Supply Services,
  - Mason/Masonry
  - Other Construction Trades
  - Heavy/Industrial Equipment Maintenance Technologies
- Tourism (Leisure and Hospitality), including:
  - Culinary Arts and Related Services
- Professional and Business Services, including:
  - Business Administration, Management, and Operations,
  - Finance and Financial Management Services,
  - Accounting and Related Services,
  - Business Operations Support and Assistant Services

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- Protective Services (Fire, Criminal Justice/Corrections)
- Public Administration
- Real Estate and Rental and Leasing
- Financial Services (Community and Regional Banks)
- Educational Services, including:
  - Teaching Assistants/Aides
- Agricultural, including:
  - Applied Horticultural/ Horticultural Business Services

### 2.2 What industries/jobs are the most critical to the local economy?

The jobs/occupations most critical to the area's economy are those in key industry sectors that import money into the area and provide high-skill, high-wage jobs. Also, it is important to maintain a diverse industry mix to serve our fast-growing local population. Occupations in industries such as health care, construction, manufacturing, tourism, and government/education are critical to growing and diversifying Mohave/ La Paz Counties' economic future.

- ***Healthcare***—As the baby boom generation approaches retirement age, an increasing need arises for healthcare services in Arizona. While healthcare services have concentrated growth in heavily populated metropolitan regions, the next decade is likely to experience rapidly growing demand in many of Arizona's rural communities, especially within those developing retirement housing communities.
- ***Construction***—Each of these sectors of this industry is considered relatively high paying and with several high-skill, high-knowledge trade related occupations. This industry is also recognized as having a high multiplier effect in the economy and, thus, generates secondary employment in the economy in support of these industries. While Mohave and La Paz Counties are experiencing a construction downturn during this economic cycle, it is anticipated that this will remain an important segment of the economy that is critical to economic diversity.
- ***Tourism/Hospitality***—Arizona's proximity to the Grand Canyon, its diverse geographic landscape, and southwest climate makes it an attractive destination for vacationers and business conferences. Hotels, resorts, and casinos have targeted this current and prospective trend by investing heavily into expanding and developing through the state, especially during the mid-90s. These industries provide jobs in many communities and the potential for further economic diversification, especially on tribal lands.
- ***Manufacturing***—Manufacturing revenues represent roughly 12% of the gross state product in Arizona. The state's manufacturing industry is expected to gradually accelerate over the next two years as a result of increasing consumer demand and business spending. The largest gains are expected in the manufacturing sectors that create products for local use, especially for residential, commercial, and industrial real estate development.
- ***Government and Education***—The Federal, State and Local governments and the various Educational Institutions for Mohave and La Paz Counties contribute significantly to the creation of jobs for the local economic base.

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### 2.3. Growth and Declining Industries by County

#### LA PAZ COUNTY GROWING INDUSTRIES

| Year | Quarter | Ago  | Ago  | Current | NAICS                                |  | 2004-2007 |
|------|---------|------|------|---------|--------------------------------------|--|-----------|
| Rank | Rank    | Rank | Rank | Code    | Industry                             |  | Job       |
|      |         |      |      |         |                                      |  | Growth    |
| -    | 1       | 1    | 1    | 9200    | Government                           |  | 191       |
| -    | 2       | 2    | 2    | 7221    | Full-service restaurants             |  | 55        |
| 3    | -       | 3    | 3    | 2389    | Other specialty trade contractors    |  | 26        |
| -    | 3       | 4    | 4    | 2362    | Nonresidential building construction |  | 16        |
| 5    | 4       | 5    | 5    | 8141    | Private households                   |  | 11        |

#### LA PAZ COUNTY DECLINING INDUSTRIES

| Year | Quarter | Ago  | Ago  | Current | NAICS                                |  | 2004-2007 |
|------|---------|------|------|---------|--------------------------------------|--|-----------|
| Rank | Rank    | Rank | Rank | Code    | Industry                             |  | Job       |
|      |         |      |      |         |                                      |  | Growth    |
| 3    | 2       | 1    | 1    | 7222    | Limited-service eating places        |  | -73       |
| -    | -       | 2    | 2    | 5175    | Cable and other program distribution |  | -21       |
| -    | -       | 3    | 3    | 7224    | Drinking places, alcoholic beverages |  | -21       |
| -    | -       | 4    | 4    | 8111    | Automotive repair and maintenance    |  | -15       |

#### MOHABE COUNTY GROWING INDUSTRIES

| Year | Quarter | Ago  | Ago  | Current | NAICS                                    |  | 2004-2007 |
|------|---------|------|------|---------|------------------------------------------|--|-----------|
| Rank | Rank    | Rank | Rank | Code    | Industry                                 |  | Job       |
|      |         |      |      |         |                                          |  | Growth    |
| -    | 1       | 1    | 1    | 9200    | Government                               |  | 953       |
| 1    | 2       | 2    | 2    | 4529    | Other general merchandise stores         |  | 784       |
| 4    | 3       | 3    | 3    | 4441    | Building material and supplies dealers   |  | 478       |
| 5    | 4       | 4    | 4    | 2389    | Other specialty trade contractors        |  | 311       |
| -    | -       | 5    | 5    | 5221    | Depository credit intermediation         |  | 244       |
| 8    | 5       | 6    | 6    | 2371    | Utility system construction              |  | 215       |
| -    | 7       | 7    | 7    | 5222    | Nondepository credit intermediation      |  | 203       |
| 10   | -       | 8    | 8    | 5611    | Office administrative services           |  | 159       |
| 13   | 12      | 9    | 9    | 8141    | Private households                       |  | 89        |
| 12   | 8       | 10   | 10   | 6216    | Home health care services                |  | 81        |
| -    | 11      | 11   | 11   | 6215    | Medical and diagnostic laboratories      |  | 75        |
| -    | 14      | 12   | 12   | 6116    | Other schools and instruction            |  | 38        |
| -    | -       | 13   | 13   | 3323    | Architectural and structural metals mfg. |  | 18        |

#### MOHABE COUNTY DECLINING INDUSTRIES

| Year | Quarter | Ago  | Ago  | Current | NAICS                                         |  | 2004-2007 |
|------|---------|------|------|---------|-----------------------------------------------|--|-----------|
| Rank | Rank    | Rank | Rank | Code    | Industry                                      |  | Job       |
|      |         |      |      |         |                                               |  | Growth    |
| 1    | 4       | 1    | 1    | 2379    | Other heavy construction                      |  | -563      |
| -    | 3       | 2    | 2    | 5613    | Employment services                           |  | -287      |
| 2    | 1       | 3    | 3    | 4521    | Department stores                             |  | -271      |
| -    | -       | 4    | 4    | 3399    | Other miscellaneous manufacturing             |  | -102      |
| 5    | 9       | 5    | 4    | 4841    | General freight trucking                      |  | -89       |
| -    | -       | 6    | 6    | 2381    | Building foundation and exterior contractors  |  | -79       |
| -    | 8       | 7    | 5    | 5175    | Cable and other program distribution          |  | -76       |
| -    | 2       | 8    | 8    | 6214    | Outpatient care centers                       |  | -63       |
| -    | 14      | 9    | 9    | 4451    | Grocery stores                                |  | -55       |
| -    | -       | 10   | 11   | 8121    | Personal care services                        |  | -40       |
| 12   | -       | 11   | 11   | 4453    | Beer, wine, and liquor stores                 |  | -31       |
| -    | -       | 12   | 12   | 4442    | Lawn and garden equipment and supplies stores |  | -22       |
| -    | -       | 13   | 13   | 6115    | Technical and trade schools                   |  | -19       |
| -    | -       | 14   | 14   | 2361    | Residential building construction             |  | -18       |

(John Graeflin; DES ARIZONA WORKFORCE INFORMER: 1<sup>st</sup> QUARTER 2007. Based on recent data from the Quarterly Census of Employment and Wages (QCEW) program, industries by county are listed that experienced significant job growth or decline over the last three years. Compares current rank to previous quarter. Industries are shown at the four-digit NAICS level. Data source: Quarterly Census of Employment & Wages (ES202). )

# ***WAVE Joint Technical Education District***

| <b>Mohave High School</b>      | <b>Lake Havasu High School</b>                                       | <b>Kingman High School</b>                      | <b>River Valley High School</b> | <b>Parker High School</b>                      |
|--------------------------------|----------------------------------------------------------------------|-------------------------------------------------|---------------------------------|------------------------------------------------|
| Construction Technologies      | Allied Health Services<br>Sports Medicine                            | Agricultural Business Management - Agriscience  | Audio/Visual Technology         | Agricultural Business Management - Agriscience |
| Culinary Arts                  | Audio/Visual Technology                                              | Allied Health Services<br>Sports Medicine *new* | Carpentry Technology            | Automotive Technology                          |
| Design and Merchandising       | Automotive Technologies                                              | Automotive Technologies                         | Culinary Arts                   | BMAS Business Mgmt & Admin Services            |
| Drafting and Design Technology | Business Mgmt & Admin Services                                       | Business Mgmt & Admin Services                  | Early Childhood Education       | Hospitality                                    |
| Early Childhood Education      | Construction Technologies                                            | Carpentry Technology                            | Fire Science                    |                                                |
| Education Professions          | Fashion Design and Merchandising                                     | Culinary Arts                                   | Graphic Communications          |                                                |
| Financial Services             | Drafting and Design Technology                                       | Drafting and Design Technology                  | Information Technology          |                                                |
| Fire Science                   | Early Childhood Education                                            | Early Childhood Education                       | Law Public Safety and Security  |                                                |
| Graphic Communications         | Financial Services                                                   | Education Professions                           | Nursing Services                |                                                |
| Hospitality Management         | Information Technology<br>*Computer Systems<br>*Web Page Development | Graphic Communications                          | Welding Technology              |                                                |
| Information Technology         | Marketing Management and Entrepreneurship                            | Hospitality Management                          |                                 |                                                |
| Law Public Safety and Security |                                                                      | Marketing Management and Entrepreneurship       |                                 |                                                |
| Nursing Services               |                                                                      |                                                 |                                 |                                                |
| Welding Technology             |                                                                      |                                                 |                                 |                                                |

6 Instructors  
4 CTE Programs

5 Instructors  
10 CTE Programs

15 Instructors  
12 CTE Programs

17 Instructors  
14 CTE Programs

## **Appendix C**



# **Mohave Community College**

## **FASTEST GROWING OCCUPATIONS IN MOHAVE COMMUNITY COLLEGE SERVICE AREA**

**MARCH 2008**

# **FASTEST GROWING**

## **Criteria for selection:**

1. Requires postsecondary education
  - a. Certificate (postsecondary vocational award)
  - b. Associate's degree
  - c. Bachelor's degree
2. Based on new jobs created

**Cluster is equivalent to the Department of Labor - Standard Occupational Classification (SOC) code.**

*Information was obtained from CCBenefits, Inc.*

Fastest Growing Occupations

| Industry              | Occupation                                                         | Number<br>employed<br>2007<br>(000) | Percentage<br>employed<br>2007 | National<br>average<br>wages<br>(\$/hr.) |                | State<br>avg.<br>wages<br>(\$/hr.) |                | Wage<br>and<br>benefit<br>index |                | National<br>average<br>wages<br>(\$/hr.) |                | State<br>avg.<br>wages<br>(\$/hr.) |                | Wage<br>and<br>benefit<br>index |                | National<br>average<br>wages<br>(\$/hr.) |                | State<br>avg.<br>wages<br>(\$/hr.) |                |
|-----------------------|--------------------------------------------------------------------|-------------------------------------|--------------------------------|------------------------------------------|----------------|------------------------------------|----------------|---------------------------------|----------------|------------------------------------------|----------------|------------------------------------|----------------|---------------------------------|----------------|------------------------------------------|----------------|------------------------------------|----------------|
|                       |                                                                    |                                     |                                | Hourly<br>wage                           | Annual<br>wage | Hourly<br>wage                     | Annual<br>wage | Wage<br>and<br>benefit<br>index | Hourly<br>wage | Hourly<br>wage                           | Annual<br>wage | Hourly<br>wage                     | Annual<br>wage | Wage<br>and<br>benefit<br>index | Hourly<br>wage | Hourly<br>wage                           | Annual<br>wage | Hourly<br>wage                     | Annual<br>wage |
| Business & Management | Construction managers                                              | 503                                 | 670                            | 167                                      | 33%            | 239                                | 48%            | \$80                            | 102,986        | 115,524                                  | 13%            | 29,100                             | 29%            | \$41                            | 798,461        | 913,003                                  | 14%            | 236,859                            | 30%            |
| Business & Finance    | Employment, recruitment, and placement specialists                 | 117                                 | 150                            | 33                                       | 28%            | 76                                 | 65%            | \$16                            | 29,372         | 35,269                                   | 20%            | 16,924                             | 58%            | \$26                            | 223,051        | 269,536                                  | 21%            | 130,094                            | 58%            |
| Business & Finance    | Business operation specialists, all other                          | 266                                 | 344                            | 78                                       | 29%            | 175                                | 66%            | \$25                            | 224,194        | 274,546                                  | 22%            | 133,198                            | 59%            | \$29                            | 1,139,156      | 1,390,918                                | 22%            | 673,072                            | 59%            |
| Business & Finance    | Accountants and auditors                                           | 815                                 | 958                            | 143                                      | 18%            | 377                                | 46%            | \$24                            | 272,547        | 313,496                                  | 15%            | 119,854                            | 44%            | \$29                            | 1,687,411      | 1,941,743                                | 15%            | 743,200                            | 44%            |
| Business & Finance    | Personal financial advisors                                        | 220                                 | 287                            | 67                                       | 30%            | 85                                 | 39%            | \$32                            | 122,988        | 125,461                                  | 2%             | 13,782                             | 11%            | \$38                            | 670,674        | 696,509                                  | 4%             | 87,252                             | 13%            |
| Computer              | Computer software engineers, applications                          | 215                                 | 311                            | 96                                       | 45%            | 195                                | 91%            | \$41                            | 116,365        | 153,572                                  | 32%            | 92,234                             | 79%            | \$42                            | 565,637        | 768,174                                  | 36%            | 468,958                            | 83%            |
| Computer              | Computer systems engineers, applications                           | 152                                 | 212                            | 60                                       | 39%            | 127                                | 83%            | \$34                            | 77,758         | 101,257                                  | 30%            | 57,937                             | 75%            | \$44                            | 406,556        | 536,852                                  | 32%            | 305,983                            | 76%            |
| Computer              | Computer support specialists                                       | 322                                 | 404                            | 82                                       | 25%            | 181                                | 56%            | \$17                            | 93,598         | 107,602                                  | 15%            | 43,222                             | 46%            | \$23                            | 589,748        | 684,375                                  | 16%            | 278,465                            | 47%            |
| Computer              | Computer systems analysts                                          | 169                                 | 223                            | 54                                       | 32%            | 119                                | 70%            | \$27                            | 76,019         | 93,218                                   | 23%            | 47,082                             | 62%            | \$36                            | 527,951        | 654,556                                  | 24%            | 334,027                            | 63%            |
| Computer              | Network systems and data communications analysts                   | 125                                 | 190                            | 65                                       | 52%            | 124                                | 69%            | \$24                            | 52,500         | 71,702                                   | 37%            | 44,435                             | 85%            | \$32                            | 322,441        | 450,486                                  | 40%            | 282,682                            | 88%            |
| Education             | Elementary school teachers, except special education               | 1,043                               | 1,365                          | 322                                      | 31%            | 685                                | 66%            | \$16                            | 270,956        | 316,164                                  | 17%            | 142,206                            | 52%            | \$24                            | 1,613,451      | 1,837,115                                | 14%            | 804,256                            | 50%            |
| Education             | Middle school teachers, except special and vocational education    | 262                                 | 332                            | 70                                       | 27%            | 149                                | 57%            | \$17                            | 81,477         | 92,415                                   | 13%            | 36,088                             | 44%            | \$26                            | 716,171        | 790,210                                  | 10%            | 296,088                            | 41%            |
| Education             | Secondary school teachers, except special and vocational education | 560                                 | 711                            | 151                                      | 27%            | 369                                | 66%            | \$17                            | 157,355        | 177,545                                  | 13%            | 83,155                             | 53%            | \$26                            | 1,072,517      | 1,182,603                                | 10%            | 541,353                            | 50%            |

## Fastest Growing Occupations

## Fastest Growing Occupations

| Cluster                    | Description                                           | Nonfarm Nonmetropolitan         |                              | Nonfarm metropolitan            |                              | Urban nonmetropolitan           |                              | Urban metropolitan              |                              | National                        |                              | National                        |                              | Avg county FLS wage | Education Level |            |      |
|----------------------------|-------------------------------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------------|---------------------|-----------------|------------|------|
|                            |                                                       | Nonfarm<br>Jobs<br>2007<br>2008 | %<br>Change<br>(New<br>Jobs) |                     |                 |            |      |
| Installation & Maintenance | Bus and truck mechanics and diesel engine specialists | 154                             | 196                          | 42                              | 27%                          | 95                              | 62%                          | 42,262                          | 47,349                       | 12%                             | 20,231                       | 48%                             | \$20                         | 298,766             | 330,780         | 11%        |      |
| Installation & Maintenance | Farm equipment mechanics                              | 107                             | 142                          | 35                              | 33%                          | 43                              | 40%                          | \$13                            | 9,795                        | 10,020                          | 2%                           | 1,026                           | 10%                          | \$14                | 99,136          | 98,445     | (1%) |
| Installation & Maintenance | Mobile heavy equipment mechanics, except engines      | 136                             | 173                          | 37                              | 27%                          | 62                              | 45%                          | \$18                            | 25,556                       | 25,948                          | 2%                           | 5,417                           | 21%                          | \$23                | 192,184         | 194,761    | 1%   |
| Production Operations      | Semiconductor processors                              | 77                              | 118                          | 41                              | 53%                          | 55                              | 71%                          | \$16                            | 12,903                       | 12,289                          | (5%)                         | 2,008                           | 16%                          | \$18                | 48,145          | 46,281     | (4%) |
|                            | Totals                                                | 11,321                          | 14,624                       | 3,304                           | 29%                          | 7,349                           | 65%                          | \$19                            | 2,953,985                    | 3,440,849                       | 16%                          | 1,469,254                       | 50%                          | \$28                | 19,691,154      | 22,898,119 | 16%  |
|                            |                                                       |                                 |                              |                                 |                              |                                 |                              |                                 |                              |                                 |                              |                                 |                              | 9,811,113           | 50%             | \$25       |      |

# **ART**

**Each cluster report contains both the Fastest  
Growing Occupations, as well as, programs that  
Mohave Community College offers.**

*Information was obtained from CCBenefits, Inc.*

| Description         | 2007<br>Jobs | 2017<br>Jobs | %<br>Change | New<br>Jobs<br>2017 | New<br>Jobs<br>2017<br>Change | Mean<br>Hourly<br>Wage<br>2017 | State<br>Avg.<br>Hourly<br>Wage<br>2017 | State<br>Avg.<br>Hourly<br>Wage<br>2007 | Projected<br>Growth<br>Rate<br>2017-2027 | Projected<br>Jobs<br>2027 | Projected<br>Wage<br>2027 | Nation<br>Avg.<br>Hourly<br>Wage<br>2017 | Nation<br>Avg.<br>Hourly<br>Wage<br>2007 | Education<br>Level   |
|---------------------|--------------|--------------|-------------|---------------------|-------------------------------|--------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------------|---------------------------|---------------------------|------------------------------------------|------------------------------------------|----------------------|
| * Graphic designers | 124          | 159          | 35          | 28%                 | 67                            | \$16                           | \$16                                    | \$16                                    | 42%                                      | 20,018                    | \$22                      | 248,961                                  | 288,478                                  | Bachelor's<br>Degree |

\* Indicates that occupation is one of the 30 Fastest Growing occupations.

# BUSINESS & FINANCE

**Each cluster report contains both the Fastest Growing Occupations, as well as, programs that Mohave Community College offers.**

*Information was obtained from CCBenefits, Inc.*

## Business & Finance

| Description                                          | 2017<br>Jobs | 2017<br>Job<br>Change | %<br>New<br>Jobs<br>Created | Avg.<br>Hourly<br>Rate | Start<br>Rate<br>2007 | Start<br>Rate<br>2011 | State                  |                             | National              |                       | National<br>Avg.<br>Hourly<br>Rate |                                    | National<br>Avg.<br>Hourly<br>Rate | National<br>Avg.<br>Hourly<br>Rate | Education<br>Level |            |                  |            |           |                     |
|------------------------------------------------------|--------------|-----------------------|-----------------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------------|-----------------------|-----------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|--------------------|------------|------------------|------------|-----------|---------------------|
|                                                      |              |                       |                             |                        |                       |                       | New<br>Jobs<br>Created | %<br>New<br>Jobs<br>Created | Start<br>Rate<br>2011 | Start<br>Rate<br>2017 | National<br>Avg.<br>Hourly<br>Rate | National<br>Avg.<br>Hourly<br>Rate |                                    |                                    |                    |            |                  |            |           |                     |
| Insurance appraisers, auto damage                    | 12           | 18                    | 6                           | 50%                    | 7                     | 58%                   | \$22                   | 4,001                       | \$3,882               | -3%                   | 425                                | 11%                                | \$33                               | 28,777                             | 30,469             | 6%         | 5,456            | 19%        | \$23      | On-the-job training |
| * Employment, recruitment, and placement specialists | 117          | 150                   | 33                          | 28%                    | 76                    | 65%                   | 18                     | 29,372                      | 35,269                | 20%                   | 16,924                             | 58%                                | 26                                 | 223,051                            | 269,536            | 21%        | 130,084          | 58%        | 24        | Bachelor's degree   |
| * Business operation specialists, all other          | 266          | 344                   | 78                          | 29%                    | 175                   | 66%                   | 26                     | 224,194                     | 274,546               | 22%                   | 133,198                            | 59%                                | 29                                 | 1,139,156                          | 1,390,918          | 22%        | 673,072          | 59%        | 29        | Bachelor's degree   |
| * Personal financial advisors                        | 220          | 287                   | 67                          | 30%                    | 85                    | 39%                   | 32                     | 122,986                     | 125,461               | 2%                    | 13,782                             | 11%                                | 38                                 | 670,674                            | 696,509            | 4%         | 87,252           | 13%        | 35        | Bachelor's degree   |
| * Accountants and auditors                           | 815          | 958                   | 143                         | 18%                    | 377                   | 46%                   | \$24                   | 272,547                     | 313,486               | 15%                   | 119,864                            | 44%                                | \$29                               | 1,687,411                          | 1,941,743          | 15%        | 743,200          | 44%        | 28        | Bachelor's degree   |
| Appraisers and assessors of real estate              | 338          | 350                   | 12                          | 4%                     | 51                    | 15%                   | \$24                   | 82,252                      | 105,334               | 28%                   | 32,064                             | 39%                                | \$28                               | 407,143                            | 506,762            | 24%        | 144,504          | 35%        | 23        | Vocational award    |
| Budget analysis                                      | 28           | 34                    | 6                           | 21%                    | 13                    | 46%                   | \$22                   | 13,759                      | 15,048                | 9%                    | 5,087                              | 37%                                | \$33                               | 62,160                             | 68,306             | 10%        | 23,205           | 37%        | 31        | Bachelor's degree   |
| <b>Total</b>                                         | <b>1,796</b> | <b>2,141</b>          | <b>345</b>                  | <b>19%</b>             | <b>784</b>            | <b>44%</b>            | <b>\$24</b>            | <b>749,113</b>              | <b>873,036</b>        | <b>17%</b>            | <b>321,324</b>                     | <b>43%</b>                         | <b>\$29</b>                        | <b>4,216,372</b>                   | <b>4,904,233</b>   | <b>16%</b> | <b>1,806,783</b> | <b>43%</b> | <b>27</b> |                     |

\* Indicates that occupation is one of the 30 Fastest Growing occupations.

# **COMMUNITY & SOCIAL SERVICES**

**Each cluster report contains both the Fastest Growing Occupations, as well as, programs that Mohave Community College offers.**

*Information was obtained from CCBenefits, Inc.*

## Community and Social Services

| Description                                               | 2007 Jobs |      | 2017 Jobs |        | Avg. % Change |      | Avg. % Change |        | Avg. % Change |      | Avg. % Change |        | Avg. % Change |         | Avg. % Change |        | Avg. % Change |      | Avg. % Change |                   |
|-----------------------------------------------------------|-----------|------|-----------|--------|---------------|------|---------------|--------|---------------|------|---------------|--------|---------------|---------|---------------|--------|---------------|------|---------------|-------------------|
|                                                           | 2007      | 2017 | Jobs      | % Chg. | 2007          | 2017 | Jobs          | % Chg. | 2007          | 2017 | Jobs          | % Chg. | 2007          | 2017    | Jobs          | % Chg. | 2007          | 2017 | Jobs          | % Chg.            |
| Child, family, and school social workers                  | 95        | 119  | 24        | 25%    | 55            | 59%  | \$16          | 33,952 | 38,261        | 16%  | 16,711        | 49%    | \$22          | 308,822 | 356,482       | 15%    | 151,365       | 49%  | \$19          | degree            |
| Medical and public health social workers                  | 49        | 85   | 16        | 33%    | 32            | 65%  | \$18          | 17,714 | 21,185        | 20%  | 9,415         | 53%    | \$26          | 145,495 | 173,482       | 19%    | 76,805        | 53%  | \$21          | Bachelor's degree |
| Probation officers and correctional treatment specialists | 92        | 115  | 23        | 25%    | 49            | 53%  | \$17          | 17,779 | 20,026        | 13%  | 7,558         | 42%    | \$28          | 93,740  | 103,742       | 11%    | 38,002        | 41%  | \$22          | Bachelor's degree |
| Community and social service specialists, all other       | 33        | 45   | 12        | 36%    | 26            | 79%  | \$20          | 18,670 | 23,611        | 26%  | 12,806        | 69%    | \$20          | 133,348 | 168,542       | 26%    | 91,373        | 69%  | \$18          | Bachelor's degree |
| Total                                                     | 269       | 344  | 75        | 28%    | 152           | 60%  | \$18          | 88,115 | 104,083       | 18%  | 46,470        | 53%    | \$24          | 681,405 | 802,248       | 18%    | 357,545       | 52%  | \$20          |                   |

# **COMPUTERS**

**Each cluster report contains both the Fastest Growing Occupations, as well as, programs that Mohave Community College offers.**

*Information was obtained from CCBenefits, Inc.*

## Computers

| Description                                      | 2007 Jobs | 2017 Jobs | % Change | New & Revised | Avg Hourly Wage | State Avg Hourly Wage | State % Change | National Avg Hourly Wage | National % Change | National Avg Hourly Wage | National % Change | National Avg Hourly Wage | National % Change | National Avg Hourly Wage | National % Change | Education Level |             |     |                   |
|--------------------------------------------------|-----------|-----------|----------|---------------|-----------------|-----------------------|----------------|--------------------------|-------------------|--------------------------|-------------------|--------------------------|-------------------|--------------------------|-------------------|-----------------|-------------|-----|-------------------|
| Computer programmers                             | 178       | 193       | 8%       | 56            | \$24            | 73,084                | 74,238         | 2%                       | 17,811            | 24%                      | \$34              | 510,757                  | 508,983           | 0%                       | 115,005           | 23%             | \$32 degree |     |                   |
| * Computer software engineers, applications      | 216       | 311       | 96       | 45%           | 195             | 91%                   | \$41           | 116,365                  | 153,572           | 32%                      | \$2,294           | 79%                      | \$42              | 565,637                  | 768,174           | 36%             | 468,958     | 83% | Bachelor's degree |
| * Computer software engineers, systems software  | 152       | 212       | 60       | 39%           | 127             | 83%                   | \$34           | 77,758                   | 101,257           | 30%                      | 57,937            | 75%                      | \$44              | 406,556                  | 536,852           | 32%             | 309,983     | 76% | Bachelor's degree |
| * Computer support specialists                   | 322       | 404       | 82       | 25%           | 181             | 56%                   | \$17           | 93,598                   | 107,602           | 15%                      | 43,222            | 46%                      | \$23              | 589,749                  | 634,375           | 16%             | 275,486     | 47% | \$21 degree       |
| * Computer systems analysts                      | 169       | 223       | 54       | 32%           | 119             | 70%                   | \$27           | 76,018                   | 93,218            | 23%                      | 47,092            | 62%                      | \$36              | 527,951                  | 654,556           | 24%             | 334,027     | 63% | \$34 degree       |
| Database administrators                          | 81        | 114       | 33       | 41%           | 64              | 79%                   | \$21           | 18,529                   | 23,783            | 28%                      | 12,569            | 68%                      | \$33              | 132,140                  | 171,512           | 30%             | 91,443      | 69% | Bachelor's degree |
| * Network and computer systems administrators    | 82        | 115       | 33       | 40%           | 66              | 81%                   | \$24           | 47,035                   | 60,670            | 29%                      | 33,097            | 70%                      | \$34              | 337,006                  | 437,979           | 30%             | 240,330     | 71% | \$31 degree       |
| Network systems and data communications analysts | 125       | 190       | 65       | 52%           | 124             | 99%                   | \$24           | 52,500                   | 71,702            | 37%                      | 44,435            | 85%                      | \$32              | 322,441                  | 450,496           | 40%             | 282,682     | 88% | Bachelor's degree |
| Total                                            | 1,324     | 1,762     | 43%      | 33%           | 931             | 70%                   | \$27           | 554,888                  | 636,042           | 24%                      | 348,457           | 63%                      | \$35              | 3,822,237                | 4,212,927         | 24%             | 2,120,894   | 63% | \$33              |

\* Indicates that occupation is one of the 30 Fastest Growing occupations.

# **CONSTRUCTION**

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Construction

# **EDUCATION & LIBRARY SERVICES**

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*Information was obtained from CCBenefits, Inc.*

## Education and Library Services

| Description                                                                   | 2007<br>Jobs | 2017<br>Jobs | %<br>Change | New &<br>Prop.<br>Avg. |       | Avg.<br>Hourly<br>Earnings |      | State &<br>Prop.<br>Avg.<br>Hourly<br>Earnings |         | State &<br>Prop.<br>Avg.<br>Hourly<br>Earnings |         | National<br>Avg.<br>Hourly<br>Earnings |      | National<br>Avg.<br>Hourly<br>Earnings |           | National<br>Avg.<br>Hourly<br>Earnings |           | Postsecondary<br>Education Level |                                        |
|-------------------------------------------------------------------------------|--------------|--------------|-------------|------------------------|-------|----------------------------|------|------------------------------------------------|---------|------------------------------------------------|---------|----------------------------------------|------|----------------------------------------|-----------|----------------------------------------|-----------|----------------------------------|----------------------------------------|
|                                                                               |              |              |             | 2007                   | 2017  | 2007                       | 2017 | 2007                                           | 2017    | 2007                                           | 2017    | 2007                                   | 2017 | 2007                                   | 2017      | 2007                                   | 2017      | 2007                             | 2017                                   |
| Preschool teachers,<br>except special<br>education                            | 141          | 167          | 26          | 18%                    | 93    | 68%                        | \$9  | 65,093                                         | 80,648  | 22%                                            | 45,470  | 69%                                    | \$13 | 431,379                                | 539,724   | 25%                                    | 309,055   | 72%                              | \$121<br>vocational award              |
| Kindergarten<br>teachers, except<br>special education                         | 80           | 109          | 29          | 36%                    | 52    | 65%                        | \$16 | 29,035                                         | 34,407  | 19%                                            | 13,982  | 48%                                    | \$23 | 195,821                                | 231,000   | 18%                                    | 93,164    | 48%                              | \$22<br>Bachelor's<br>degree           |
| * Elementary school<br>teachers, except<br>special education                  | 1,043        | 1,365        | 322         | 31%                    | 685   | 66%                        | \$16 | 270,956                                        | 316,164 | 17%                                            | 142,206 | 52%                                    | \$24 | 1,613,451                              | 1,837,115 | 14%                                    | 804,256   | 50%                              | \$23<br>Bachelor's<br>degree           |
| * Middle school<br>teachers, except<br>special and vocational<br>education    | 262          | 332          | 70          | 27%                    | 149   | 57%                        | \$17 | 81,477                                         | 92,415  | 13%                                            | 36,068  | 44%                                    | \$26 | 716,471                                | 790,210   | 10%                                    | 296,088   | 41%                              | \$24<br>Bachelor's<br>degree           |
| Vocational education<br>teachers, middle<br>school                            | 30           | 39           | 9           | 30%                    | 11    | 35%                        | \$16 | 7,340                                          | 8,828   | 20%                                            | 1,917   | 26%                                    | \$23 | 62,130                                 | 71,617    | 15%                                    | 13,138    | 21%                              | \$21<br>Degree plus work<br>experience |
| * Secondary school<br>teachers, except<br>special and vocational<br>education | 560          | 711          | 151         | 27%                    | 369   | 66%                        | \$17 | 157,355                                        | 177,545 | 13%                                            | 63,155  | 53%                                    | \$26 | 1,072,517                              | 1,182,603 | 10%                                    | 541,353   | 50%                              | \$25<br>Bachelor's<br>degree           |
| Vocational education<br>teachers, secondary<br>school                         | 38           | 48           | 10          | 26%                    | 22    | 58%                        | \$18 | 9,985                                          | 10,995  | 11%                                            | 4,373   | 44%                                    | \$25 | 112,261                                | 120,884   | 8%                                     | 45,913    | 41%                              | \$24<br>Degree plus work<br>experience |
| Adult literacy,<br>remedial education,<br>and GED teachers<br>and instructors | 59           | 72           | 13          | 22%                    | 20    | 35%                        | \$17 | 38,827                                         | 46,466  | 20%                                            | 12,861  | 33%                                    | \$26 | 204,132                                | 247,562   | 21%                                    | 70,754    | 35%                              | \$20<br>Bachelor's<br>degree           |
| Library technicians                                                           | 48           | 63           | 15          | 31%                    | 39    | 81%                        | \$11 | 16,047                                         | 18,031  | 12%                                            | 10,222  | 64%                                    | \$15 | 117,752                                | 129,310   | 10%                                    | 72,302    | 61%                              | \$13<br>Postsecondary<br>award         |
| Education, training,<br>and library workers,<br>all other                     | 17           | 22           | 5           | 29%                    | 9     | 54%                        | \$14 | 14,061                                         | 16,394  | 17%                                            | 6,118   | 44%                                    | \$17 | 100,797                                | 116,807   | 16%                                    | 43,180    | 43%                              | \$17<br>Bachelor's<br>degree           |
| Total                                                                         | 2,278        | 2,928        | 650         | 29%                    | 1,449 | 64%                        | \$15 | 691,082                                        | 801,893 | 16%                                            | 356,352 | 52%                                    | \$22 | 4,626,711                              | 5,266,832 | 14%                                    | 2,289,203 | 49%                              | \$20                                   |

\* Indicates that occupation is one of the 30 Fastest Growing occupations.

# **FOOD & PREPARATION**

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Food Preparation

# **HEALTHCARE PRACTITIONERS & TECHNICIANS**

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Mohave Community College offers.**

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Healthcare Practitioners and Technicians

# **HEALTHCARE SUPPORT**

**Each cluster report contains both the Fastest Growing Occupations, as well as, programs that Mohave Community College offers.**

*Information was obtained from CCBenefits, Inc.*

## Healthcare Support

| Description                                    | 2007<br>Jobs | 2017<br>Jobs | %<br>Change | Avg<br>Hourly<br>Rate | State<br>Avg<br>Hourly<br>Rate | State<br>Avg<br>Hourly<br>Rate<br>Change | State<br>Avg<br>Hourly<br>Rate<br>Index | State<br>Avg<br>Hourly<br>Rate<br>Index<br>Change | National<br>Avg<br>Hourly<br>Rate | National<br>Avg<br>Hourly<br>Rate<br>Index | National<br>Avg<br>Hourly<br>Rate<br>Index<br>Change | National<br>Avg<br>Hourly<br>Rate<br>Index<br>Change | National<br>Avg<br>Hourly<br>Rate<br>Index<br>Change | Postsecondary<br>vocational award |           |     |
|------------------------------------------------|--------------|--------------|-------------|-----------------------|--------------------------------|------------------------------------------|-----------------------------------------|---------------------------------------------------|-----------------------------------|--------------------------------------------|------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|-----------------------------------|-----------|-----|
| Nursing aides,<br>orderlies, and<br>attendants | 598          | 842          | 41%         | \$16                  | \$9                            | 150,900                                  | 177,539                                 | 18%                                               | 77,475                            | 51%                                        | \$12                                                 | 1,515,823                                            | 1,789,821                                            | 18%                               | 784,653   | 52% |
| Physical therapist<br>assistants               | 29           | 40           | 11          | \$16                  | \$16                           | 5,590                                    | 7,377                                   | 32%                                               | 4,806                             | 86%                                        | \$22                                                 | 65,420                                               | 85,878                                               | 31%                               | 55,806    | 88% |
| Massage<br>therapists                          | 143          | 174          | 31          | \$26                  | \$16                           | 21,102                                   | 24,903                                  | 18%                                               | 12,014                            | 57%                                        | \$17                                                 | 107,462                                              | 130,655                                              | 22%                               | 64,881    | 60% |
| Dental assistants                              | 159          | 232          | 73          | \$13                  | \$13                           | 58,390                                   | 78,742                                  | 35%                                               | 56,886                            | 97%                                        | \$15                                                 | 299,900                                              | 401,852                                              | 34%                               | 288,982   | 96% |
| Medical<br>transcriptionists                   | 43           | 52           | 9           | \$16                  | \$16                           | 12,281                                   | 14,488                                  | 18%                                               | 7,291                             | 59%                                        | \$17                                                 | 104,501                                              | 123,513                                              | 18%                               | 62,347    | 60% |
| Total                                          | 972          | 1,340        | 368         | \$14                  | \$14                           | 248,273                                  | 303,049                                 | 22%                                               | 158,282                           | 64%                                        | \$17                                                 | 2,053,106                                            | 2,531,719                                            | 21%                               | 1,256,469 | 60% |
|                                                |              |              |             |                       |                                |                                          |                                         |                                                   |                                   |                                            |                                                      |                                                      |                                                      |                                   |           |     |

\* Indicates that occupation is one of the 30 Fastest Growing occupations.

# **INSTALLATION & MAINTENANCE**

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*Information was obtained from CCBenefits, Inc.*

## Installation & Maintenance

| Occupation                                                            | 2017<br>Job<br>Openings | %<br>Change  | Avg<br>Hourly<br>Earnings | New &<br>Revised<br>Projections    |             | State Avg<br>Hourly<br>Earnings    |             | State Avg<br>Hourly<br>Earnings    |                | National<br>Avg<br>Hourly<br>Earnings |                | National<br>Avg<br>Hourly<br>Earnings |             |                  |                  |            |                |            |             |                                |
|-----------------------------------------------------------------------|-------------------------|--------------|---------------------------|------------------------------------|-------------|------------------------------------|-------------|------------------------------------|----------------|---------------------------------------|----------------|---------------------------------------|-------------|------------------|------------------|------------|----------------|------------|-------------|--------------------------------|
|                                                                       |                         |              |                           | State<br>Avg<br>Hourly<br>Earnings | %<br>Change | State<br>Avg<br>Hourly<br>Earnings | %<br>Change | State<br>Avg<br>Hourly<br>Earnings | %<br>Change    | National<br>Avg<br>Hourly<br>Earnings | %<br>Change    | National<br>Avg<br>Hourly<br>Earnings | %<br>Change |                  |                  |            |                |            |             |                                |
| Automotive body and related repairers                                 | 230                     | 285          | \$5                       | 24%                                | 124         | 54%                                | \$13        | 24,881                             | 27,609         | 11%                                   | 10,434         | 42%                                   | \$19        | 196,034          | 216,818          | 10%        | 80,623         | 41%        | \$18        | Long-term on-the-job training  |
| * Automotive glass installers and repairers                           | 112                     | 16           | 4                         | 33%                                | 8           | 62%                                | \$16        | 3,562                              | 4,080          | 15%                                   | 1,632          | 46%                                   | \$15        | 24,101           | 27,456           | 14%        | 10,906         | 45%        | \$15        | Long-term on-the-job training  |
| * Automotive service technicians and mechanics                        | 538                     | 700          | 162                       | 30%                                | 367         | 68%                                | \$19        | 122,936                            | 141,487        | 15%                                   | 67,072         | 55%                                   | \$19        | 852,297          | 979,027          | 15%        | 463,220        | 54%        | \$17        | Postsecondary vocational award |
| * Bus and truck mechanics and diesel engine specialists               | 154                     | 196          | 42                        | 27%                                | 95          | 62%                                | \$15        | 42,262                             | 47,349         | 12%                                   | 20,231         | 48%                                   | \$20        | 298,766          | 330,780          | 11%        | 139,377        | 47%        | \$18        | Postsecondary vocational award |
| * Farm equipment mechanics                                            | 167                     | 142          | 35                        | 33%                                | 43          | 40%                                | \$13        | 9,795                              | 10,020         | 2%                                    | 1,026          | 10%                                   | \$14        | 98,136           | 98,445           | (1%)       | 7,455          | 8%         | \$14        | Vocational award               |
| Heating, air conditioning, and refrigeration mechanics and installers | 211                     | 265          | 54                        | 26%                                | 104         | 49%                                | \$19        | 40,807                             | 47,267         | 16%                                   | 16,455         | 40%                                   | \$20        | 35,487           | 399,807          | 14%        | 134,786        | 38%        | \$19        | Long-term on-the-job training  |
| Millwrights                                                           | 56                      | 62           | 6                         | 11%                                | 23          | 41%                                | \$18        | 4,166                              | 4,391          | 5%                                    | 1,517          | 36%                                   | \$22        | 56,427           | 57,790           | 2%         | 18,851         | 33%        | \$23        | Long-term on-the-job training  |
| * Mobile heavy equipment mechanics, except engines                    | 136                     | 173          | 37                        | 27%                                | 62          | 45%                                | \$18        | 25,556                             | 25,948         | 2%                                    | 5,417          | 21%                                   | \$23        | 192,184          | 194,761          | 1%         | 40,359         | 21%        | \$19        | Postsecondary vocational award |
| <b>Total</b>                                                          | <b>1,444</b>            | <b>1,839</b> | <b>395</b>                | <b>27%</b>                         | <b>826</b>  | <b>37%</b>                         | <b>\$16</b> | <b>273,985</b>                     | <b>308,151</b> | <b>12%</b>                            | <b>123,784</b> | <b>45%</b>                            | <b>\$19</b> | <b>2,070,532</b> | <b>2,303,884</b> | <b>11%</b> | <b>895,577</b> | <b>43%</b> | <b>\$18</b> |                                |

Indicates that occupation is one of the 30 Fastest Growing occupations.

# **LEGAL OCCUPATIONS**

**Each cluster report contains both the Fastest Growing Occupations, as well as, programs that Mohave Community College offers.**

*Information was obtained from CCBenefits, Inc.*

## Legal Occupations

| Description                     | 2007 Jobs | 2017 Jobs | % Change | New Jobs | Avg Hourly Wage | State 2007 | State 2017 | State % Change | State Avg Hourly Wage | National 2007 | National 2017 | National % Change | National Avg Hourly Wage | National Avg Hourly Wage % Change | National Avg Hourly Wage \$22 | Postsecondary vocational award |      |
|---------------------------------|-----------|-----------|----------|----------|-----------------|------------|------------|----------------|-----------------------|---------------|---------------|-------------------|--------------------------|-----------------------------------|-------------------------------|--------------------------------|------|
| Paralegals and legal assistants | 61        | 79        | 18       | 30%      | \$16            | 35,637     | 43,957     | 23%            | \$19,888              | 56%           | \$25          | 260,617           | 327,886                  | 26%                               | 151,506                       | 58%                            | \$22 |
| Court reporters                 | 15        | 15        | 0        | 0%       | \$21            | 5,776      | 6,999      | 21%            | 1,930                 | 33%           | \$28          | 38,258            | 45,676                   | 19%                               | 12,131                        | 32%                            | \$22 |
| Total                           | 116       | 134       | 18       | 15%      | \$16            | 56,042     | 66,858     | 19%            | 24,337                | 43%           | \$25          | 383,323           | 463,673                  | 21%                               | 176,554                       | 46%                            | \$21 |

# **MANAGEMENT**

**Each cluster report contains both the Fastest Growing Occupations, as well as, programs that Mohave Community College offers.**

*Information was obtained from CCBenefits, Inc.*

## Management

| Description                                        | 2007 Jobs | 2017 Jobs | % Change | New & Rep. % New Jobs | Avg Hourly Earnings | State % Change | State % Change | New & State Avg Hourly Earnings | National 2011 | National 2011 | National % Change | National % Change | National % New Jobs | National % New Jobs | National Avg | National Avg |           |     |
|----------------------------------------------------|-----------|-----------|----------|-----------------------|---------------------|----------------|----------------|---------------------------------|---------------|---------------|-------------------|-------------------|---------------------|---------------------|--------------|--------------|-----------|-----|
| Marketing managers                                 | 116       | 143       | 27       | 23%                   | \$63                | 54%            | 35             | \$50,400                        | \$6,821       | 13%           | 22,399            | 44%               | \$54                | 234,781             | 267,716      | 14%          | 107,261   | 48% |
| Administrative services managers                   | 65        | 80        | 15       | 23%                   | 40                  | 61%            | \$26           | 36,021                          | 40,397        | 12%           | 18,496            | 51%               | \$37                | 257,280             | 288,393      | 12%          | 131,973   | 51% |
| Computer and information systems managers          | 65        | 84        | 19       | 29%                   | 45                  | 69%            | \$28           | 62,982                          | 62,059        | 17%           | 30,651            | 58%               | \$54                | 307,021             | 364,414      | 19%          | 181,908   | 59% |
| Compensation and benefits managers                 | 34        | 42        | 8        | 24%                   | 19                  | 56%            | \$23           | 10,130                          | 11,691        | 15%           | 4,909             | 48%               | \$38                | 67,987              | 78,895       | 16%          | 33,341    | 49% |
| Training and development managers                  | 26        | 31        | 5        | 19%                   | 14                  | 53%            | \$50           | 7,027                           | 8,220         | 17%           | 3,600             | 51%               | \$40                | 48,298              | 56,799       | 18%          | 25,014    | 52% |
| Human resources managers, all other                | 57        | 69        | 12       | 21%                   | 27                  | 47%            | \$35           | 13,617                          | 15,004        | 10%           | 5,074             | 37%               | \$48                | 75,481              | 84,736       | 12%          | 28,362    | 39% |
| Transportation, storage, and distribution managers | 41        | 50        | 9        | 22%                   | 19                  | 47%            | \$27           | 18,107                          | 20,154        | 11%           | 6,756             | 37%               | \$37                | 113,167             | 125,053      | 11%          | 41,321    | 37% |
| * Construction managers                            | 503       | 670       | 167      | 33%                   | 239                 | 48%            | \$68           | 102,086                         | 115,624       | 13%           | 29,108            | 29%               | \$41                | 798,461             | 913,003      | 14%          | 236,859   | 30% |
| Medical and health services managers               | 177       | 218       | 41       | 23%                   | 101                 | 57%            | \$27           | 38,016                          | 41,639        | 10%           | 17,114            | 45%               | \$42                | 296,269             | 321,999      | 12%          | 139,918   | 41% |
| Total                                              | 2,579     | 2,905     | 326      | 13%                   | 805                 | 31%            | \$33           | 726,029                         | 857,201       | 18%           | 278,644           | 38%               | \$42                | 4,059,175           | 4,730,648    | 17%          | 1,546,550 | 38% |

\* Indicates that occupation is one of the 30 Fastest Growing occupations.

• Indicates that occupation is one of the 30 Fastest Growing occupations.

# OFFICE SUPPORT

**Each cluster report contains both the Fastest Growing Occupations, as well as, programs that Mohave Community College offers.**

*Information was obtained from CCBenefits, Inc.*

Office Support

\* Indicates that occupation is one of the 30 Fastest Growing occupations.

# **PERSONAL CARE & SERVICE OCCUPATIONS**

**Each cluster report contains both the Fastest  
Growing Occupations, as well as, programs that  
Mohave Community College offers.**

*Information was obtained from CCBenefits, Inc.*

## **Personal Care and Service Occupations**

\* Indicates that occupation is one of the 30 Fastest Growing occupations.

# **PRODUCTION OPERATIONS**

**Each cluster report contains both the Fastest Growing Occupations, as well as, programs that Mohave Community College offers.**

*Information was obtained from CCBenefits, Inc.*

Production Operations

■ Indicates that occupation is one of the 30 Fastest Growing occupations.

# **PROTECTIVE SERVICES**

**Each cluster report contains both the Fastest Growing Occupations, as well as, programs that Mohave Community College offers.**

*Information was obtained from CCBenefits, Inc.*



# **SALES**

**Each cluster report contains both the Fastest Growing Occupations, as well as, programs that Mohave Community College offers.**

*Information was obtained from CCBenefits, Inc.*

## Sales

| Description                                                    | 2007 Job | 2017 Job | % Change | Avg Hourly Earnings | State 2007 | State 2011 | State % Change | State Avg Hourly Earnings | National 2007 | National 2017 | National % Change | National        | National        |                 |         |         |                        |                        |
|----------------------------------------------------------------|----------|----------|----------|---------------------|------------|------------|----------------|---------------------------|---------------|---------------|-------------------|-----------------|-----------------|-----------------|---------|---------|------------------------|------------------------|
|                                                                |          |          |          |                     |            |            |                |                           |               |               |                   | Hourly Earnings | Hourly Earnings | Hourly Earnings |         |         |                        |                        |
| * Insurance sales agents                                       | 446      | 577      | 131      | 29%                 | \$14       | \$17,021   | 100,799        | (6%)                      | \$29          | \$29          | 10%               | 767,742         | 782,435         | 2%              | 135,962 | 18%     | \$26 Bachelor's degree |                        |
| * Securities, commodities, and financial services sales agents | 230      | 281      | 51       | 22%                 | \$25       | \$25       | 121,335        | 123,104                   | 2%            | 14,011        | 12%               | \$40            | \$44,556        | 659,643         | 2%      | 78,985  | 12%                    | \$39 Bachelor's degree |
| Total                                                          | 676      | 858      | 182      | 27%                 | \$20       | \$20       | 228,156        | 223,903                   | -2%           | 25,005        | 11%               | \$35            | 1,412,298       | 1,442,078       | 2%      | 214,957 | 15%                    | \$32                   |

\* Indicates that occupation is one of the 30 Fastest Growing occupations.

## APPENDIX D

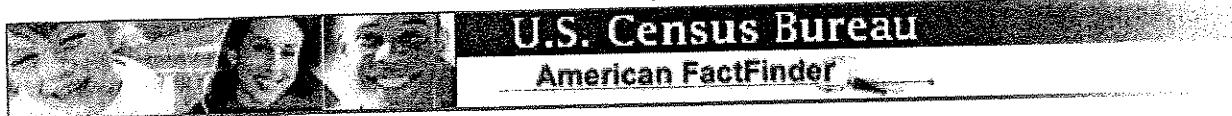
### A COMPARISON OF STATE PRIORITY OFFERINGS VERSUS OFFERINGS OF MOHAVE AND LA PAZ COUNTIES

| <b>State Priority Programs</b>                         | <b>KHS</b> | <b>LHHS</b>        | <b>MHS</b> | <b>PHS</b> | <b>RVHS</b> |   |    |
|--------------------------------------------------------|------------|--------------------|------------|------------|-------------|---|----|
| Accounting                                             |            | X                  | X          |            |             |   |    |
| Administrative Information Services                    | X          | X                  | X          | X          |             |   |    |
| Agricultural Business Management - Animal              | X          |                    |            |            |             |   |    |
| Agricultural Business Management - Horticulture        |            |                    |            |            |             |   |    |
| Agricultural Business Management - Plant               |            |                    |            | X          |             |   |    |
| Agricultural Business Management - Renewable Resources |            |                    |            |            |             |   |    |
| Aircooled Engine                                       |            |                    |            |            |             |   |    |
| Aircraft Maintenance                                   |            |                    | X          | X          |             |   |    |
| Apparel Design                                         |            |                    |            |            |             |   |    |
| Auto Collision Repair                                  |            |                    |            |            |             |   |    |
| Auto Technology                                        | X          | X                  |            | X          |             |   |    |
| Building Maintenance                                   |            |                    |            |            |             |   |    |
| Building Trades                                        | X          | X                  | X          |            | X           |   |    |
| Cabinetmaking                                          |            |                    |            |            |             |   |    |
| Carpentry                                              |            |                    |            |            | X           |   |    |
| Child Care                                             | X          | X                  | X          |            | X           |   |    |
| Commercial Art                                         |            |                    |            |            |             |   |    |
| Construction Equipment                                 |            |                    |            |            |             |   |    |
| Cosmetology                                            |            |                    |            |            |             |   |    |
| Dental Assisting                                       |            |                    |            |            |             |   |    |
| Drafting Technology                                    | X          | X                  | X          |            |             |   |    |
| Electronics Technology                                 |            |                    |            |            |             |   |    |
| Financial Services                                     |            |                    |            | X          |             |   |    |
| Firefighting                                           |            |                    |            | X          |             |   |    |
| Food Production                                        | X          |                    | X          |            | X           |   |    |
| Graphic Communications                                 | X          | X                  | X          |            | X           |   |    |
| Heating Ventilation                                    |            |                    |            |            |             |   |    |
| Heavy Duty Truck                                       |            |                    |            |            |             |   |    |
| Hospitality Services                                   | X          |                    | X          | X          | X           |   |    |
| Law Enforcement                                        |            |                    |            | X          |             |   |    |
| Machining Technology                                   |            |                    |            |            |             |   |    |
| Masonry                                                |            |                    | X          | X          |             |   |    |
| Media Communication                                    |            |                    |            |            |             |   |    |
| Medical Lab Assisting                                  |            |                    |            |            |             |   |    |
| Nursing Assistant                                      | X          |                    | X          |            | X           |   |    |
| Photo Imaging                                          |            |                    |            |            |             |   |    |
| Physical Therapy Aide                                  |            |                    |            |            |             |   |    |
| Plumbing                                               |            |                    |            |            |             |   |    |
| Residential Electrician                                |            |                    |            |            |             |   |    |
| Sales and Marketing                                    | X          | X                  |            |            |             |   |    |
| Sheet Metal                                            |            |                    |            |            |             |   |    |
| Upholstering                                           |            |                    |            | X          |             |   |    |
| Welding                                                |            |                    |            |            | X           |   |    |
| Total Programs=43                                      |            | Total per school = | 11         | 10         | 14          | 4 | 11 |

Percentage of priority list offered per school  
 Percentage of priority list NOT offered per school

|     |     |     |     |     |
|-----|-----|-----|-----|-----|
| 26% | 23% | 33% | 9%  | 26% |
| 74% | 77% | 67% | 91% | 74% |

# Appendix E



## POPULATION FINDER

United States | Arizona | Parker town

Parker town, Arizona

city/ town, county, or zip

parker town

state

Arizona

GO

[search by address »](#)

The 2006 population estimate for Parker town, Arizona is 3,200.

Note: Information about challenges to population estimates data can be found on  
the Population Estimates Challenges page.

[View population trends...](#)

|            | 2006  | 2000  | 1990  |
|------------|-------|-------|-------|
| Population | 3,200 | 3,140 | 2,897 |

Source: U.S. Census Bureau, 2006 Population Estimates, Census 2000, 1990 Census

[View more results...](#)

Population for all cities and towns in Arizona, 2000:

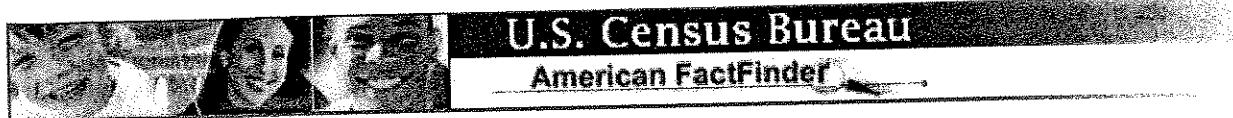
[alphabetic](#) | [ranked](#)

Map of Persons per Square Mile, City/Town by Census Tract:

[2000](#) | [1990](#)

[See more data for Parker town, Arizona on the Fact Sheet.](#)

The letters PDF or symbol indicate a document is in the Portable Document Format (PDF). To view the file you will need the Adobe® Acrobat® Reader, which is available for free from the Adobe web site.



## POPULATION FINDER

United States | Arizona | Bullhead City city

city/ town, county, or zip

Bullhead City city, Arizona

bullhead city

state

Arizona



search by address »

The 2006 population estimate for Bullhead City city, Arizona is 40,225.

Note: Information about challenges to population estimates data can be found on  
the Population Estimates Challenges page.

[View population trends...](#)

|            | 2006   | 2000   | 1990   |
|------------|--------|--------|--------|
| Population | 40,225 | 33,769 | 21,951 |

Source: U.S. Census Bureau, 2006 Population Estimates, Census 2000, 1990 Census

[View more results...](#)

Population for all cities and towns in Arizona, 2000:

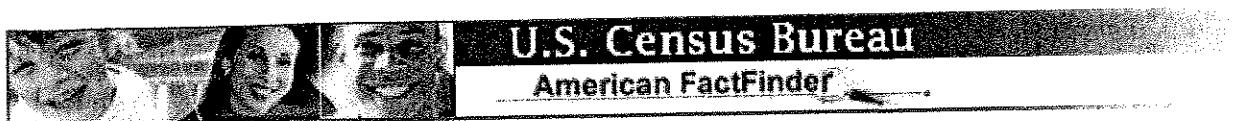
[alphabetic](#) | [ranked](#)

Map of Persons per Square Mile, City/Town by Census Tract:

[2000](#) | [1990](#)

[See more data for Bullhead City city, Arizona on the Fact Sheet.](#)

The letters PDF or symbol indicate a document is in the Portable Document Format (PDF). To view the file you will need the Adobe® Acrobat® Reader, which is available for free from the Adobe web site.



## POPULATION FINDER

United States | Arizona | Lake Havasu City city

city/ town, county, or zip

Lake Havasu City city, Arizona

lake havasu

state

Arizona



search by address »

The 2006 population estimate for Lake Havasu City city, Arizona is 56,355.

Note: Information about challenges to population estimates data can be found on the Population Estimates Challenges page.

[View population trends...](#)

|            | 2006   | 2000   | 1990   |
|------------|--------|--------|--------|
| Population | 56,355 | 41,938 | 24,363 |

Source: U.S. Census Bureau, 2006 Population Estimates, Census 2000, 1990 Census

[View more results...](#)

Population for all cities and towns in Arizona, 2000:

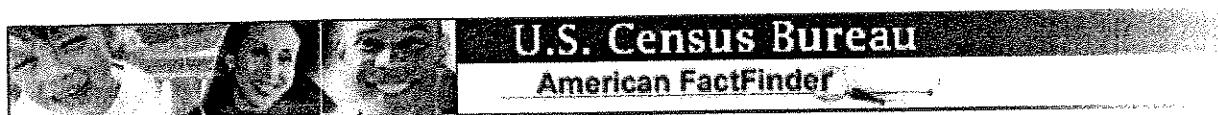
[alphabetic](#) | [ranked](#)

Map of Persons per Square Mile, City/Town by Census Tract:

[2000](#) | [1990](#)

[See more data for Lake Havasu City city, Arizona on the Fact Sheet.](#)

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## POPULATION FINDER

United States | Arizona | Kingman city

Kingman city, Arizona

city/ town, county, or zip

kingman

state

Arizona

GO

[search by address »](#)

The 2006 population estimate for Kingman city, Arizona is 27,271.

Note: Information about challenges to population estimates data can be found on the Population Estimates Challenges page.

[View population trends...](#)

|            | 2006   | 2000   | 1990   |
|------------|--------|--------|--------|
| Population | 27,271 | 20,069 | 12,722 |

Source: U.S. Census Bureau, 2006 Population Estimates, Census 2000, 1990 Census

[View more results...](#)

Population for all cities and towns in Arizona, 2000:

[alphabetic](#) | [ranked](#)

Map of Persons per Square Mile, City/Town by Census Tract:

[2000](#) | [1990](#)

[See more data for Kingman city, Arizona on the Fact Sheet.](#)

The letters PDF or symbol  indicate a document is in the Portable Document Format (PDF). To view the file you will need the Adobe® Acrobat® Reader, which is available for free from the Adobe web site.

## BHC AgeGroups.xls

| Demographic                                |                                            | 2007 Population | 2017 Population | % Change | % Change | 2007 % of State Population | 2017 % of State Population | State Population | State Population |
|--------------------------------------------|--------------------------------------------|-----------------|-----------------|----------|----------|----------------------------|----------------------------|------------------|------------------|
| <b>10 to 14 years</b>                      |                                            |                 |                 |          |          |                            |                            |                  |                  |
| White, Non-Hispanic                        | Males                                      | 3,222           | 3,987           | 765      | 23.74%   | 5.61%                      | 417,528                    | 527,456          | 527,456          |
| White, Non-Hispanic                        | Females                                    | 2,007           | 2,603           | 596      | 29.70%   | 3.49%                      | 192,434                    | 228,509          | 228,509          |
| White Hispanic                             | Males                                      | 1,053           | 1,344           | 291      | 27.67%   | 1.83%                      | 98,479                     | 116,862          | 116,862          |
| White Hispanic                             | Females                                    | 954             | 1,259           | 305      | 31.94%   | 1.66%                      | 93,956                     | 111,648          | 111,648          |
| Non-White Hispanic                         | Males                                      | 892             | 1,037           | 144      | 16.15%   | 1.55%                      | 157,146                    | 219,279          | 219,279          |
| Non-White Hispanic                         | Females                                    | 461             | 536             | 75       | 16.28%   | 0.80%                      | 80,294                     | 112,622          | 112,622          |
| Black or African American                  | Males                                      | 232             | 501             | 69       | 16.01%   | 0.75%                      | 76,852                     | 106,657          | 106,657          |
| Black or African American                  | Females                                    | 70              | 69              | (0)      | (0.32%)  | 0.12%                      | 8,855                      | 9,244            | 9,244            |
| American Indian or Alaska Native           | Males                                      | 33              | 33              | (1)      | (1.82%)  | 0.06%                      | 4,441                      | 4,798            | 4,798            |
| American Indian or Alaska Native           | Females                                    | 36              | 37              | 0        | 1.08%    | 0.06%                      | 4,414                      | 4,446            | 4,446            |
| Asian                                      | Males                                      | 44              | 29              | (15)     | (34.59%) | 0.08%                      | 15,549                     | 18,129           | 18,129           |
| Asian                                      | Females                                    | 23              | 12              | (11)     | (46.15%) | 0.04%                      | 7,831                      | 9,296            | 9,296            |
| Two or more races                          | Males                                      | 21              | 16              | (5)      | (21.89%) | 0.04%                      | 7,717                      | 8,833            | 8,833            |
| Two or more races                          | Females                                    | 78              | 77              | (1)      | (1.45%)  | 0.14%                      | 22,910                     | 24,232           | 24,232           |
| Native Hawaiian and other Pacific Islander | Males                                      | 41              | 38              | (3)      | (6.38%)  | 0.07%                      | 11,375                     | 12,258           | 12,258           |
| Native Hawaiian and other Pacific Islander | Females                                    | 37              | 39              | 1        | 3.92%    | 0.06%                      | 11,535                     | 11,974           | 11,974           |
| Two or more races                          | Asian                                      | 37              | 41              | 4        | 11.66%   | 0.06%                      | 7,844                      | 12,590           | 12,590           |
| Two or more races                          | Males                                      | 19              | 20              | 1        | 7.62%    | 0.03%                      | 3,927                      | 6,359            | 6,359            |
| Two or more races                          | Females                                    | 18              | 21              | 3        | 15.98%   | 0.03%                      | 3,917                      | 6,231            | 6,231            |
| Two or more races                          | Native Hawaiian and other Pacific Islander | 4               | 1               | (3)      | (87.19%) | 0.01%                      | 566                        | 803              | 803              |
| Two or more races                          | Males                                      | 2               | 0               | (1)      | (75.65%) | 0.00%                      | 293                        | 426              | 426              |
| Two or more races                          | Females                                    | 2               | 0               | (2)      | (98.05%) | 0.00%                      | 273                        | 377              | 377              |
| Two or more races                          | Two or more races                          | 91              | 132             | 41       | 44.56%   | 0.16%                      | 12,225                     | 14,670           | 14,670           |
| Two or more races                          | Males                                      | 48              | 77              | 29       | 60.70%   | 0.08%                      | 6,205                      | 7,760            | 7,760            |
| Two or more races                          | Females                                    | 43              | 54              | 11       | 26.55%   | 0.07%                      | 6,020                      | 6,910            | 6,910            |

## BHC AgeGroups.xls

| Demographic                                | 2007 Population | 2017 Population | % Change | % Change | 2007 % of State Population | 2017 % of State Population | 2007 State Population | 2017 State Population |
|--------------------------------------------|-----------------|-----------------|----------|----------|----------------------------|----------------------------|-----------------------|-----------------------|
| <b>15 to 19 years</b>                      |                 |                 |          |          |                            |                            |                       |                       |
| White, Non-Hispanic                        | 3,201           | 3,414           | 214      | 6.67%    | 5.57%                      | 446,784                    | 498,399               | 498,399               |
| Males                                      | 2,070           | 2,132           | 62       | 3.00%    | 3.60%                      | 221,932                    | 228,587               | 228,587               |
| Females                                    | 1,061           | 1,071           | 10       | 0.91%    | 1.85%                      | 115,263                    | 118,246               | 118,246               |
| White Hispanic                             | 804             | 946             | 141      | 17.58%   | 1.40%                      | 150,863                    | 192,684               | 192,684               |
| Males                                      | 422             | 491             | 68       | 16.18%   | 0.74%                      | 78,936                     | 100,665               | 100,665               |
| Females                                    | 382             | 455             | 73       | 19.12%   | 0.67%                      | 71,927                     | 92,018                | 92,018                |
| Non White Hispanic                         | 78              | 80              | 2        | 3.02%    | 0.14%                      | 8,827                      | 9,506                 | 9,506                 |
| Males                                      | 36              | 38              | 2        | 5.73%    | 0.06%                      | 4,614                      | 4,995                 | 4,995                 |
| Females                                    | 42              | 42              | 0        | 0.67%    | 0.07%                      | 4,213                      | 4,511                 | 4,511                 |
| Black or African American                  | 42              | 33              | (9)      | (21.71%) | 0.07%                      | 17,592                     | 18,175                | 18,175                |
| Males                                      | 17              | 17              | (0)      | (2.38%)  | 0.03%                      | 9,300                      | 9,711                 | 9,711                 |
| Females                                    | 24              | 16              | (9)      | (35.38%) | 0.04%                      | 8,291                      | 8,464                 | 8,464                 |
| American Indian or Alaska Native           | 88              | 74              | (14)     | (16.02%) | 0.15%                      | 27,804                     | 22,524                | 22,524                |
| Males                                      | 42              | 37              | (5)      | (12.38%) | 0.07%                      | 14,083                     | 11,387                | 11,387                |
| Females                                    | 46              | 37              | (9)      | (19.33%) | 0.08%                      | 13,721                     | 11,137                | 11,137                |
| Asian                                      | 38              | 50              | 12       | 32.38%   | 0.07%                      | 8,386                      | 11,956                | 11,956                |
| Males                                      | 17              | 29              | 12       | 73.28%   | 0.03%                      | 4,472                      | 6,072                 | 6,072                 |
| Females                                    | 21              | 21              | 0        | 0.56%    | 0.04%                      | 3,914                      | 5,884                 | 5,884                 |
| Native Hawaiian and other Pacific Islander | 2               | 2               | (0)      | (5.29%)  | 0.00%                      | 798                        | 1,068                 | 1,068                 |
| Males                                      | 0               | 1               | 1        | 228.21%  | 0.00%                      | 423                        | 564                   | 564                   |
| Females                                    | 2               | 1               | (1)      | (59.17%) | 0.00%                      | 376                        | 504                   | 504                   |
| Two or more races                          | 79              | 98              | 19       | 23.89%   | 0.14%                      | 10,583                     | 13,899                | 13,899                |
| Males                                      | 37              | 50              | 14       | 36.97%   | 0.06%                      | 5,547                      | 7,495                 | 7,495                 |
| Females                                    | 42              | 47              | 5        | 12.53%   | 0.07%                      | 5,036                      | 6,404                 | 6,404                 |

**Mohave / La Paz LWIA Occupations-in-Demand List**  
**Revised July 10, 2007**

**Appendix F**

| O*NET DESIGNATOR | O*NET FAMILY | O*NET OCCUPATION                                        |
|------------------|--------------|---------------------------------------------------------|
| 11-2022.00       | Management   | Sales Managers                                          |
| 11-3011.00       | Management   | Administrative Services Managers                        |
| 11-3040.00       | Management   | Human Resources Managers                                |
| 11-9021.00       | Management   | Construction Managers                                   |
| 11-9051.00       | Management   | Food Service Managers                                   |
| 11-9071.00       | Management   | Gaming Managers                                         |
| 11-9081.00       | Management   | Lodging Managers                                        |
| 11-9151.00       | Management   | Social and Community Service Managers                   |
| 11-9199.99       | Management   | Managers, All Other                                     |
| 13-1073.00       | Bus & Fin    | Training & Development Specialists                      |
| 13-2011.01       | Bus & Fin    | Accountants                                             |
| 13-2021.00       | Bus & Fin    | Appraiser and Assessors, Real Estate                    |
| 15-1041.00       | Comp/Math    | Computer Support Specialist                             |
| 15-1051.00       | Comp/Math    | Computer Systems Analysts                               |
| 15-1061.00       | Comp/Math    | Data Base Administrator                                 |
| 15-1071.00       | Comp/Math    | Network & Computer Systems Administrators               |
| 15-1099.99       | Comp/Math    | Computer Specialists, All Other                         |
| 17-1022.00       | Arct/Eng     | Surveyors                                               |
| 17-2051.00       | Arct/Eng     | Civil Engineers                                         |
| 17-2061.00       | Arct/Eng     | Computer Hardware Engineers                             |
| 17-2071.00       | Arct/Eng     | Electrical Engineers                                    |
| 17-2141.00       | Arct/Eng     | Mechanical Engineers                                    |
| 17-3011.00       | Arct/Eng     | Mechanical Drafters                                     |
| 17-3011.01       | Arct/Eng     | Architectural Drafters                                  |
| 17-3011.02       | Arct/Eng     | Civil Drafters                                          |
| 17-3019.99       | Arct/Eng     | Drafters, All Others                                    |
| 21-1011.00       | Comm/Soc Ser | Substance Abuse & Behavioral Disorder Counselors        |
| 21-1012.00       | Comm/Soc Ser | Educational, Vocational, and School Counselors          |
| 21-1014.00       | Comm/Soc Ser | Mental Health Counselors                                |
| 21-1021.00       | Comm/Soc Ser | Child, Family, and School Social Workers                |
| 21-1022.00       | Comm/Soc Ser | Medical and Public Health Social Workers                |
| 21-1023.00       | Comm/Soc Ser | Mental Health & Substance Abuse Social Workers          |
| 21-1029.99       | Comm/Soc Ser | Social Workers, All Other                               |
| 21-1092.00       | Comm/Soc Ser | Probation Officers & Correctional Treatment Specialists |
| 21-1093.00       | Comm/Soc Ser | Social & Human Services Assistants                      |
| 21-1099.99       | Comm/Soc Ser | Community & Social Service Specialists, All Other       |

**Mohave / La Paz LWIA Occupations-in-Demand List**  
**Revised July 10, 2007**

**Appendix F**

| O*NET DESIGNATOR | O*NET FAMILY   | O*NET OCCUPATION                                          |
|------------------|----------------|-----------------------------------------------------------|
| 23-2011.00       | Legal          | Paralegal and Legal Assistants                            |
| 23-2091.00       | Legal          | Court Reporters                                           |
| 23-2092.00       | Legal          | Law Clerks                                                |
| 25-1052.00       | Ed/Tm/Library  | Chemistry Teachers, Postsecondary                         |
| 25-1054.00       | Ed/Tm/Library  | Physics Teachers, Postsecondary                           |
| 25-1069.99       | Ed/Tm/Library  | Social Sciences Teachers, Postsecondary, All Other        |
| 25-1072.00       | Ed/Tm/Library  | Nursing Instructors & Teachers, Postsecondary             |
| 25-1081.00       | Ed/Tm/Library  | Education Teachers, Postsecondary                         |
| 25-1194.00       | Ed/Tm/Library  | Vocational Education Teachers Postsecondary               |
| 25-1199.99       | Ed/Tm/Library  | Postsecondary Teachers, All Other                         |
| 25-2011.00       | Ed/Tm/Library  | Preschool Teachers, Except Special Education              |
| 25-2012.00       | Ed/Tm/Library  | Kindergarten Teachers, Except Special Ed.                 |
| 25-2021.00       | Ed/Tm/Library  | Elementary School Teachers, Except Special Ed             |
| 25-2022.00       | Ed/Tm/Library  | Middle School Teachers, Except Special & Vocational Ed    |
| 25-2023.00       | Ed/Tm/Library  | Vocational Education Teachers, Middle School              |
| 25-2031.00       | Ed/Tm/Library  | Secondary School Teachers, Except Special & Voc Ed        |
| 25-2032.00       | Ed/Tm/Library  | Vocational Education Teachers, Secondary School           |
| 25-2041.00       | Ed/Tm/Library  | Special Ed Teachers, Preschool, Kindergarten & Elementary |
| 25-2042.00       | Ed/Tm/Library  | Special Ed Teachers, Middle School                        |
| 25-2043.00       | Ed/Tm/Library  | Special Ed Teachers, Secondary School                     |
| 25-3011.00       | Ed/Tm/Library  | Adult Literacy, Remedial Education & GED Teachers & Inst  |
| 25-4021.00       | Ed/Tm/Library  | Librarians                                                |
| 25-4031.00       | Ed/Tm/Library  | Library Technicians                                       |
| 25-9041.00       | Ed/Tm/Library  | Teacher Assistants                                        |
| 25-9099.99       | Ed/Tm/Library  | Education, Training & Library Workers, All Other          |
| 27-1021.00       | Art/Des/Ent    | Commercial & Industrial Designers                         |
| 27-1023.00       | Art/Des/Ent    | Floral Designers                                          |
| 27-1024.00       | Art/Des/Ent    | Graphic Designers                                         |
| 27-2042.00       | Art/Des/Ent    | Musicians and Singers                                     |
| 29-1069.99       | Hlth/PractTech | Physicians and Surgeons, All Other                        |
| 29-1071.00       | Hlth/PractTech | Physician Assistant                                       |
| 29-1111.00       | Hlth/PractTech | Registered Nurse                                          |
| 29-2011.00       | Hlth/PractTech | Medical & Clinical Laboratory Technologists               |
| 29-2012.00       | Hlth/PractTech | Medical and Clinical Laboratory Technicians               |
| 29-2021.00       | Hlth/PractTech | Dental Hygienists                                         |
| 29-2031.00       | Hlth/PractTech | Radiological Technologists & Technicians                  |

# Mohave / La Paz LWIA Occupations-in-Demand List

## Revised July 10, 2007

### Appendix F

| O*NET DESIGNATOR | O*NET FAMILY   | O*NET OCCUPATION                                                       |
|------------------|----------------|------------------------------------------------------------------------|
| 29-2041.00       | Hlth/Prac/Tech | Emergency Medical Technician & Paramedics                              |
| 29-2041.00       | Hlth/Prac/Tech | Emergency Medical Technician & Paramedics                              |
| 29-2052.00       | Hlth/Prac/Tech | Pharmacy Technicians                                                   |
| 29-2054.00       | Hlth/Prac/Tech | Respiratory Therapy Technicians                                        |
| 29-2055.00       | Hlth/Prac/Tech | Surgical Technologists                                                 |
| 29-2056.00       | Hlth/Prac/Tech | Veterinary Technologists & Technicians                                 |
| 29-2061.00       | Hlth/Prac/Tech | Licensed Practical & Licensed Vocational Nurse                         |
| 29-2071.00       | Hlth/Prac/Tech | Medical Records & Health Information Technicians                       |
| 29-2099.99       | Hlth/Prac/Tech | Health Technologists & Technicians, All Other                          |
| 29-9099.99       | Hlth/Prac/Tech | Healthcare Practitioners & Technical Workers, All Other                |
| 31-1011.00       | Hlth Support   | Home Health Aides                                                      |
| 31-1012.00       | Hlth Support   | Nursing Aides, Orderlies, Attendants                                   |
| 31-1013.00       | Hlth Support   | Psychiatric Aides                                                      |
| 31-2012.00       | Hlth Support   | Occupational Therapist Aides                                           |
| 31-2021.00       | Hlth Support   | Physical Therapist Assistants                                          |
| 31-2022.00       | Hlth Support   | Physical Therapist Aides                                               |
| 31-9011.00       | Hlth Support   | Massage Therapists                                                     |
| 31-9011.00       | Hlth Support   | Dental Assistants                                                      |
| 31-9091.00       | Hlth Support   | Medical Assistants                                                     |
| 31-9092.00       | Hlth Support   | Medical Equipment Preparers                                            |
| 31-9093.00       | Hlth Support   | Medical Transcriptionist                                               |
| 31-9094.00       | Hlth Support   | Pharmacy Aides                                                         |
| 31-9095.00       | Hlth Support   | Veterinary Assistant and Laboratory Animal Caretakers                  |
| 31-9096.00       | Hlth Support   | Healthcare Support Workers, All Other                                  |
| 31-9099.99       | Hlth Support   | First-Line Supervisors/Managers of Correctional Officers               |
| 33-1011.00       | Protect/Serv   | First-Line Supervisors/Managers of Police & Detectives                 |
| 33-1012.00       | Protect/Serv   | First-Line Supervisors/Managers of Fire Fighting & Prevention Workers  |
| 33-1021.00       | Protect/Serv   | First-Line Supervisors/Managers, Protective Service Workers, All Other |
| 33-1099.99       | Protect/Serv   | Fire Fighters                                                          |
| 33-2011.00       | Protect/Serv   | Correction Officers and Jailers                                        |
| 33-3012.00       | Protect/Serv   | Police & Sheriff's Patrol Officers                                     |
| 33-3051.00       | Protect/Serv   | Gaming Surveillance Off & Gaming Invest.                               |
| 33-9031.00       | Protect Serv   | Security Guards                                                        |
| 33-9032.00       | Protect/Serv   | Crossing Guard                                                         |
| 33-9091.00       | Protect/Serv   | Lifeguards, Ski Patrol & other Rec Protective Service Workers          |
| 33-9092.00       | Protect/Serv   | Protective Service Workers, All Other                                  |
| 33-9099.99       | Protect/Serv   |                                                                        |

**Mohave / La Paz LWIA Occupations-in-Demand List**  
**Revised July 10, 2007**

**Appendix F**

| O*NET DESIGNATOR | O*NET FAMILY   | O*NET OCCUPATION                                                     |
|------------------|----------------|----------------------------------------------------------------------|
| 35-1011.00       | Food Prep/Serv | Chefs and Head Cooks                                                 |
| 35-1012.00       | Food Prep/Serv | First-Line Supervisors/Mgrs of Food Prep & Serving Workers           |
| 35-2011.00       | Food Prep/Serv | Cooks, Fast Food                                                     |
| 35-2014.00       | Food Prep/Serv | Cooks, Restaurant                                                    |
| 35-2015.00       | Food Prep/Serv | Cooks, Short Order                                                   |
| 35-2019.99       | Food Prep/Serv | Cooks, All Other                                                     |
| 35-2021.00       | Food Prep/Serv | Food Preparation Workers                                             |
| 35-3011.00       | Food Prep/Serv | Bartenders                                                           |
| 35-3021.00       | Food Prep/Serv | Combined Food Prep & Serving Workers, Incl Fast Food                 |
| 35-3022.00       | Food Prep/Serv | Counter Attendants, Cafeteria, Food Concession & Coffee S            |
| 35-3031.00       | Food Prep/Serv | Waiters and Waitresses                                               |
| 35-3041.00       | Food Prep/Serv | Food Servers, Nonrestaurant                                          |
| 35-9011.00       | Food Prep/Serv | Dining Room & Cafeteria Attendants & Bartender Helpers               |
| 35-9021.00       | Food Prep/Serv | Dishwashers                                                          |
| 35-9031.00       | Food Prep/Serv | Hosts, Hostesses, Restaurant, Lounge, & Coffee Shop                  |
| 35-9099.99       | Food Prep/Serv | Food Preparation & Serving Related Workers, All Other                |
| 37-1011.00       | Bldg/Grnds     | First-Line Supervisors/Managers of Housekeeping & Janitorial Workers |
| 37-2011.00       | Bldg/Grnds     | Janitors and Cleaners, Except Maids and Housekeeping                 |
| 37-2012.00       | Bldg/Grnds     | Maids and Housekeeping Cleaners                                      |
| 37-2019.99       | Bldg/Grnds     | Building Cleaning Workers, All Other                                 |
| 37-3011.00       | Bldg/Grnds     | Landscaping and Grounds Keeping Workers                              |
| 39-1011.00       | Pers Care/Serv | Gaming Supervisors                                                   |
| 39-1012.00       | Pers Care/Serv | Slot Key Persons                                                     |
| 39-2021.00       | Pers Care/Serv | Nonfarm Animal Caretakers                                            |
| 39-3011.00       | Pers Care/Serv | Gaming Dealers                                                       |
| 39-3012.00       | Pers Care/Serv | Gaming & Sports Book Writers and Runners                             |
| 39-3019.99       | Pers Care/Serv | Gaming Service Workers, All Other                                    |
| 39-3031.00       | Pers Care/Serv | Ushers, Lobby Attendants, and Ticket Takers                          |
| 39-3091.00       | Pers Care/Serv | Amusement and Recreation Attendants                                  |
| 39-3099.99       | Pers Care/Serv | Entertainment Attendants & Related Workers, All Other                |
| 39-5012.00       | Pers Care/Serv | Hairdressers, Hairstylists, & Cosmetologists                         |
| 39-5092.00       | Pers Care/Serv | Manicurists and Pedicurists                                          |
| 39-6011.00       | Pers Care/Serv | Baggage Porters and Bellhops                                         |
| 39-6021.00       | Pers Care/Serv | Tour Guides & Escorts                                                |
| 39-6022.00       | Pers Care/Serv | Travel Guides                                                        |
| 39-9011.00       | Pers Care/Serv | Child Care Workers                                                   |

**Mohave / La Paz LWIA Occupations-in-Demand List**  
**Revised July 10, 2007**

**Appendix F**

| O*NET DESIGNATOR | O*NET FAMILY   | O*NET OCCUPATION                                               |
|------------------|----------------|----------------------------------------------------------------|
| 39-9021.00       | Pers Care/Serv | Personal and Home Care Aides                                   |
| 39-9032.00       | Pers Care/Serv | Recreation Workers                                             |
| 39-9099.99       | Pers Care/Serv | Personal Care and Service Workers, All Other                   |
| 41-1011.00       | Sales/Related  | First-Line Sup/Mgrs of Retail Sales Workers                    |
| 41-1012.00       | Sales/Related  | First-Line Sup/Mgrs of Non-Retail Sales Workers                |
| 41-2011.00       | Sales/Related  | Cashiers                                                       |
| 41-2012.00       | Sales/Related  | Gaming Change Persons and Booth Cashiers                       |
| 41-2021.00       | Sales/Related  | Counter and Rental Clerks                                      |
| 41-2022.00       | Sales/Related  | Parts Salespersons                                             |
| 41-2031.00       | Sales/Related  | Retail Sales Persons                                           |
| 41-9021.00       | Sales/Related  | Real Estate Brokers                                            |
| 41-9022.00       | Sales/Related  | Real Estate Sales Agents                                       |
| 41-9099.99       | Sales/Related  | Sales & Related Workers, All Others                            |
| 43-1011.00       | Office/Admin   | First-Line Supervisors/Mgrs. of Office & Admin Support Workers |
| 43-3031.00       | Office/Admin   | Bookkeeping, Accounting & Auditing Clerks                      |
| 43-3041.00       | Office/Admin   | Gaming Cage Workers                                            |
| 43-3061.00       | Office/Admin   | Procurement Clerks                                             |
| 43-3071.00       | Office/Admin   | Tellers                                                        |
| 43-4031.01       | Office/Admin   | Court Clerks                                                   |
| 43-4041.00       | Office/Admin   | Credit Authorizers, Checkers, and Clerks                       |
| 43-4051.00       | Office/Admin   | Customer Services Representative                               |
| 43-4071.00       | Office/Admin   | File Clerks                                                    |
| 43-4081.00       | Office/Admin   | Hotel, Motel, and Resort Desk Clerks                           |
| 43-4121.00       | Office/Admin   | Library Assistants, Clerical                                   |
| 43-4161.00       | Office/Admin   | Human Resources Assistants, Except Payroll & Timekeeping       |
| 43-4171.00       | Office/Admin   | Receptionists and Information Clerks                           |
| 43-4199.99       | Office/Admin   | Information and Record Clerks, All Other                       |
| 43-5031.00       | Office/Admin   | Police, Fire, Ambulance Dispatchers                            |
| 43-5032.00       | Office/Admin   | Dispatchers other than Police, Fire and Ambulance              |
| 43-5052.00       | Office/Admin   | Postal Service Mail Carriers                                   |
| 43-5071.00       | Office/Admin   | Shipping, Receiving, and Traffic Clerks                        |
| 43-5081.00       | Office/Admin   | Stock Clerks and Order Fillers                                 |
| 43-6012.00       | Office/Admin   | Legal Secretaries                                              |
| 43-6013.00       | Office/Admin   | Medical Secretaries                                            |
| 43-9011.00       | Office/Admin   | Computer Operators                                             |
| 43-9021.00       | Office/Admin   | Data Entry Keyers                                              |

# Mohave / La Paz LWIA Occupations-in-Demand List

## Revised July 10, 2007

### Appendix F

| O*NET DESIGNATOR | O*NET FAMILY  | O*NET OCCUPATION                                                  |
|------------------|---------------|-------------------------------------------------------------------|
| 43-9031.00       | Office/Admin  | Desktop Publishers                                                |
| 43-9061.00       | Office/Admin  | Office Clerks, General                                            |
| 43-9199.99       | Office/Admin  | Office & Administrative Support Workers, All Other                |
| 47-2021.00       | Const/Extract | Brick masons & Block masons                                       |
| 47-2031.00       | Const/Extract | Carpenters                                                        |
| 47-2031.02       | Const/Extract | Rough Carpenters                                                  |
| 47-2041.00       | Const/Extract | Carpet Installers                                                 |
| 47-2051.00       | Const/Extract | Cement Masons & Concrete Finishers                                |
| 47-2061.00       | Const/Extract | Construction Laborers                                             |
| 47-2071.00       | Const/Extract | Paving, Surfacing, & Tamping Equipment Operators                  |
| 47-2073.00       | Const/Extract | Operating Engineers & Other Construction Equip. Operators         |
| 47-2081.02       | Const/Extract | Drywall Installers                                                |
| 47-2111.00       | Const/Extract | Electricians                                                      |
| 47-2121.00       | Const/Extract | Glaziers                                                          |
| 47-2141.00       | Const/Extract | Painters Construction and Maintenance                             |
| 47-2181.00       | Const/Extract | Roofers                                                           |
| 47-2211.00       | Const/Extract | Sheet Metal Workers                                               |
| 47-3011.00       | Const/Extract | Helpers-Brick masons, Block mason, Stone masons & Stucco Masons   |
| 47-3012.00       | Const/Extract | Helpers, Carpenters                                               |
| 47-3013.00       | Const/Extract | Helpers- Electricians                                             |
| 47-3014.00       | Const/Extract | Helpers - Painters, Paper hangers, Plasterers & Stucco Masons     |
| 47-3016.00       | Const/Extract | Helpers - Roofers                                                 |
| 47-4011.00       | Const/Extract | Construction & Building Inspector                                 |
| 47-4021.00       | Const/Extract | Elevator Installers & Repairers                                   |
| 47-4041.00       | Const/Extract | Hazardous Materials Removal Workers                               |
| 47-4051.00       | Const/Extract | Highway Maintenance Workers                                       |
| 47-4099.99       | Const/Extract | Construction & Related Workers, All Other                         |
|                  |               | Extraction Workers all other                                      |
| 49-2011.00       | Inst/Main/Rep | Computer, Automated Teller, & Office Machine Repairers            |
| 49-2022.00       | Inst/Main/Rep | Telecommunications Equip Installers, Repairers, Except Line       |
| 49-2091.00       | Inst/Main/Rep | Avionics Technicians                                              |
| 49-2092.00       | Inst/Main/Rep | Electric Motor, Power Tool & Related Repairs                      |
| 49-2093.00       | Inst/Main/Rep | Electrical & Electronics Installers & Repairers, Trans Equip      |
| 49-2093.00       | Inst/Main/Rep | Electrical & Electronics Installers & Repairers, Trans Equip      |
| 49-2094.00       | Inst/Main/Rep | Electrical & Electronics Repairer, Commercial & Indust Equip      |
| 49-2094.00       | Inst/Main/Rep | Electrical & Electronics Repairers, Commercial & Industrial Equip |

**Mohave / La Paz LWIA Occupations-in-Demand List**  
**Revised July 10, 2007**

**O\*NET  
DESIGNATOR**

**O\*NET  
FAMILY**

**O\*NET  
OCCUPATION**

|            |               |                                                                            |
|------------|---------------|----------------------------------------------------------------------------|
| 49-2097.00 | Inst/Main/Rep | Electronic Home Entertainment Equipment Installers & Repairers             |
| 49-3011.00 | Inst/Main/Rep | Aircraft Mechanics & Service Technicians                                   |
| 49-3011.00 | Inst/Main/Rep | Aircraft Mechanics & Service Technicians                                   |
| 49-3021.00 | Inst/Main/Rep | Automotive Body & Related Repairers                                        |
| 49-3023.02 | Inst/Main/Rep | Automotive Specialty Technicians                                           |
| 49-3031.00 | Inst/Main/Rep | Bus & Truck Mechanics & Diesel Engine Specialists                          |
| 49-3041.00 | Inst/Main/Rep | Farm Equipment Mechanics                                                   |
| 49-3042.00 | Inst/Main/Rep | Mobile Heavy Equipment Mechanics, Except Engines                           |
| 49-3052.00 | Inst/Main/Rep | Motorcycle Mechanics                                                       |
| 49-3053.00 | Inst/Main/Rep | Outdoor Power Equip & Other Small Engine Mechanics                         |
| 49-3092.00 | Inst/Main/Rep | Recreation Vehicle Service Technicians                                     |
| 49-9011.00 | Inst/Main/Rep | Mechanical Door Repairer                                                   |
| 49-9021.00 | Inst/Main/Rep | Heating, Air Condition, & Refrigeration Mechanics & Installers             |
| 49-9031.00 | Inst/Main/Rep | Home Appliance Mechanics                                                   |
| 49-9041.00 | Inst/Main/Rep | Industrial Machinery Mechanics                                             |
| 49-9042.00 | Inst/Main/Rep | Maintenance and Repair Workers, General                                    |
| 49-9043.00 | Inst/Main/Rep | Maintenance Workers, Machinery                                             |
| 49-9044.00 | Inst/Main/Rep | Millwrights                                                                |
| 49-9051.00 | Inst/Main/Rep | Electrical Power-Line Installers & Repairers                               |
| 49-9052.00 | Inst/Main/Rep | Telecommunications Line Installers and Repairers                           |
| 49-9091.00 | Inst/Main/Rep | Coin, Vending & Amusement Machine Servicers & Repairers                    |
| 49-9095.00 | Inst/Main/Rep | Manufactured Building & Mobile Home Installer                              |
| 49-9096.00 | Inst/Main/Rep | Riggers                                                                    |
| 49-9099.99 | Inst/Main/Rep | Installation, Maintenance, & Repair Workers, All Other                     |
| 51-1011.00 | Production    | First-Line Supervisors/Managers of Production & Operating Workers          |
| 51-2021.00 | Production    | Coil Winders, Tapers, and Finishers                                        |
| 51-2091.00 | Production    | Fiberglass Laminators and Fabricators                                      |
| 51-4011.00 | Production    | Controlled, Machine Tool Operators, Metal & Plastic                        |
| 51-4021.00 | Production    | Extruding & Drawing Machine Setters, Operators, & Tenders, Metal & Plastic |
| 51-4041.00 | Production    | Machinists                                                                 |
| 51-4111.00 | Production    | Tool & Die Makers                                                          |
| 51-4121.00 | Production    | Welders, Cutters, Solderers, & Brazers                                     |
| 51-4121.06 | Production    | Welders, Cutters and Welder Fitters                                        |
| 51-6093.00 | Production    | Upholsters                                                                 |
| 51-7021.00 | Production    | Furniture Finishers                                                        |
| 51-7042.00 | Production    | Woodworking Machine Setters, Operators, & Tenders, Except Sawing           |

**Mohave / La Paz LWIA Occupations-in-Demand List**  
**Revised July 10, 2007**

**Appendix F**

| O*NET DESIGNATOR | O*NET FAMILY  | O*NET OCCUPATION                                                    |
|------------------|---------------|---------------------------------------------------------------------|
| 51-8012.00       | Production    | Power Distributors and Dispatchers                                  |
| 51-9021.00       | Production    | Crushing, Grinding & Polishing Machine Setters, Operators & Tenders |
| 51-9022.00       | Production    | Grinding & Polishing Workers, Hand                                  |
| 51-9031.00       | Production    | Cutters & Trimmers, Hand                                            |
| 51-9196.00       | Production    | Paper Goods Machine Setters, Operators & Tenders                    |
| 53-3021.00       | Transp/Mat Mv | Bus Drivers, Transit and Intercity                                  |
| 53-3022.00       | Transp/Mat Mv | Bus Drivers, School                                                 |
| 53-3032.00       | Transp/Mat Mv | Truck Drivers, Heavy and Tractor-Trailer                            |
| 53-3033.00       | Transp/Mat Mv | Truck Drivers, Light or Delivery Services                           |
| 53-6031.00       | Transp/Mat Mv | Service Station Attendants                                          |
| 53-7051.00       | Transp/Mat Mv | Industrial Truck and Tractor Operators                              |
| 53-7061.00       | Transp/Mat Mv | Cleaners of Vehicles and Equipment                                  |
| 53-7062.00       | Production    | Laborers & Freight, Stock & Material Movers, Hand                   |
| 53-7064.00       | Production    | Packers & Packagers, Hand                                           |

# Appendix G



Arizona Department of Education  
Tom Horne, Superintendent of Public Instruction

Educational Services and  
Resources Division

January/February  
2008  
Issue 23

## CTE FACTS

Vision

Ensure a dynamic workforce by fully developing every student's career and academic potential.

Mission

Prepare Arizona students for workforce success and continuous learning.

### - Some Arizona Facts and Demographics -

At age 25, Arizona's 4-year college graduates on average earn 111% more than high school graduates.<sup>1</sup>

(2005) 26% of Arizona's citizens have achieved a bachelor's degree or higher.<sup>2</sup>

(2004) The 4-year graduation rate was 80% for females and 73% for males.<sup>3</sup>

(2006) 52% of the minority students who took an Advanced Placement Examination scored a 3 or higher (out of a possible 5).<sup>4</sup>

(2005) Total postsecondary enrollment is comprised of 56.5% females, 43.5% males and 32.3% minorities.<sup>5</sup>

In postsecondary SY 2005-2006 minority students comprised 35% of certificate completers, 32% of associate degree recipients, 22% of bachelor degree recipients and 15% of graduate degree recipients.<sup>6</sup>

(2006) Grade 12 females who "Meet or Exceed" standards in AIMS Math: 30%.  
Grade 12 males: 27%.<sup>7</sup>

(2006) Grade 7 females who "Meet or Exceed" standards in AIMS Math: 72%.  
Grade 7 males: 68%.<sup>8</sup>

## Arizona CTE Students are Top Academic Performers

Alyssa Greenwall – a CTE Nursing Services Concentrator – Graduated number 6 in her class from Globe HS in 2007 with a 4.079 GPA.

She is currently attending Eastern Arizona Community College.

Mark Marcanti – a dual CTE Concentrator in Automotive Technologies and Construction Technologies – Graduated number 9 in his class from Globe HS in 2007 with a 4.116 GPA.  
He is currently attending ASU studying Engineering.

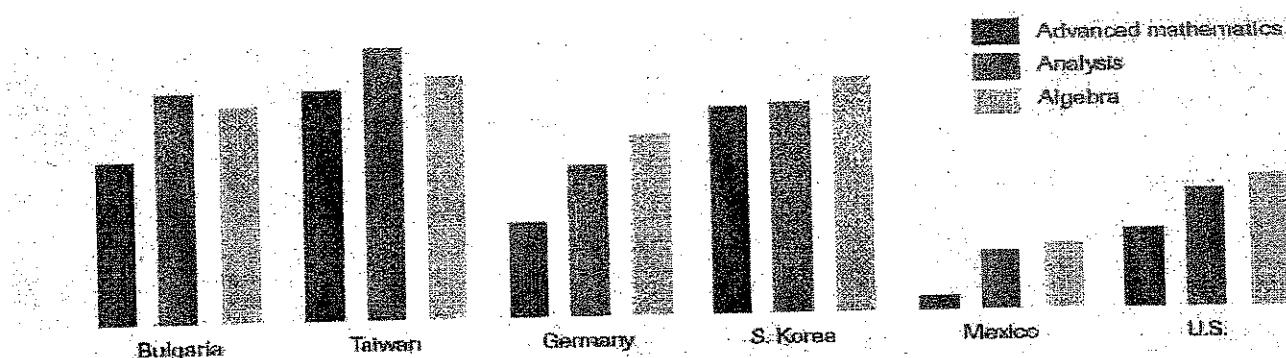
Kurt Nowak – a CTE Construction Technologies Concentrator – Graduated number 1 in his class from Globe HS in 2007 with a 4.268 GPA.  
He is currently attending Notre Dame.

To Quote: “*Creativity is a type of learning process where the teacher and pupil are located in the same individual.*” - Arthur Koestler

## Can CTE Teachers Address this Challenge?

“Our future teachers are getting weak training mathematically and are just not prepared to teach the demanding mathematics curriculum we need for middle schools if we hope to compete internationally.” – William H. Schmidt, Michigan State University Researcher.

Below is a result of his research (released December, 2007) that indicates that teacher-preparation programs (specifically for those becoming middle-school math teachers) in the United States covered a smaller percent of certain math topics compared to other countries in his study:



\*(based on a sample survey of approximately 2,500 from each country)

Proponents say “yes”—not only through the CTE Education Professions Programs but also through the science and math background that is inherent to CTE teachers!

In 2005, 28% of American adults age 25 years or older had attained at least a bachelor's degree.<sup>2</sup>

Nationally, 93% of parents expect their child to continue their education after high school.<sup>1</sup>

Created by Steve Peterson, M.Ed., Career and Technical Education, [Steve.Peterson@azed.gov](mailto:Steve.Peterson@azed.gov), 602-542-5357.

<sup>1</sup>http://The Investment Payoff: A 50 State Analysis of the Public and Private Benefits of Higher Education. The Institute for Higher Education Policy, (February 2006): 24.

<sup>2</sup>www.CollegeBoard.com, (August 2006).

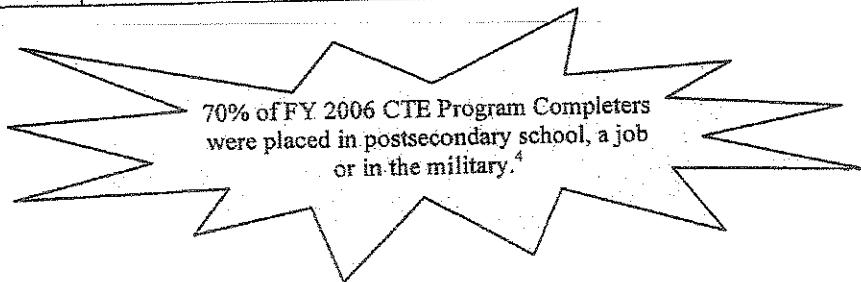
<sup>3</sup>Arizona Monthly Report 2007, “A Snapshot of Arizona’s Educational Achievement.” The Arizona Monthly Education Policy Analysis Center.

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## ***Arizona CTE State Data Snapshot<sup>2</sup>***

|                                                                                                | SY 2005                              | SY 2006                              | SY 2007                              |
|------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| HS 9-12 October Enrollment <sup>3</sup>                                                        | 320690                               | 305461                               | 273380                               |
| Total CTE 9-12 October Enrollment                                                              | 123002                               | 137844                               | 134872                               |
| Percentage of HS Enrollment that Participated in CTE                                           | 38%                                  | 45%                                  | 49%                                  |
| Level III CTE Program Enrollment                                                               | 73270                                | 76440                                | 85612                                |
| CTE Concentrators                                                                              | 18568                                | 18760                                | 20598                                |
| CTE Program Completers                                                                         | 12390                                | 12799                                | 14135                                |
| Percentage of Concentrators who Completed a Program                                            | 67%                                  | 68%                                  | 69%                                  |
| Number of CTE Concentrators who left Secondary Education that took AIMS Reading (unduplicated) | 15902<br>68% Meet or Exceed Standard | 17236<br>92% Meet or Exceed Standard | 17862<br>92% Meet or Exceed Standard |
| Number of CTE Concentrators who left Secondary Education that took AIMS Writing (unduplicated) | 15923<br>76% Meet or Exceed Standard | 17217<br>92% Meet or Exceed Standard | 17866<br>94% Meet or Exceed Standard |
| Number of CTE Concentrators who left Secondary Education that took AIMS Math (unduplicated)    | 15809<br>48% Meet or Exceed Standard | 17212<br>88% Meet or Exceed Standard | 17871<br>90% Meet or Exceed Standard |



Created by Steve Peterson, M.Ed., Career and Technical Education, [Steve.Peterson@azed.gov](mailto:Steve.Peterson@azed.gov), 602-542-5357.

<sup>1</sup>U.S. Department of Labor, Bureau of Labor Statistics. (2005). "Occupational Outlook Handbook: 2005-2007 Edition," <http://stats.bls.gov/ooh/home.htm>.

<sup>2</sup>U.S. Department of Labor, Employment and Training Administration. "The President's High Growth Job Training Initiative," [www.dol.gov/ebs/jobtraininginitiative](http://www.dol.gov/ebs/jobtraininginitiative).

<sup>3</sup>Source: Aims Test Foundation, April 2006.

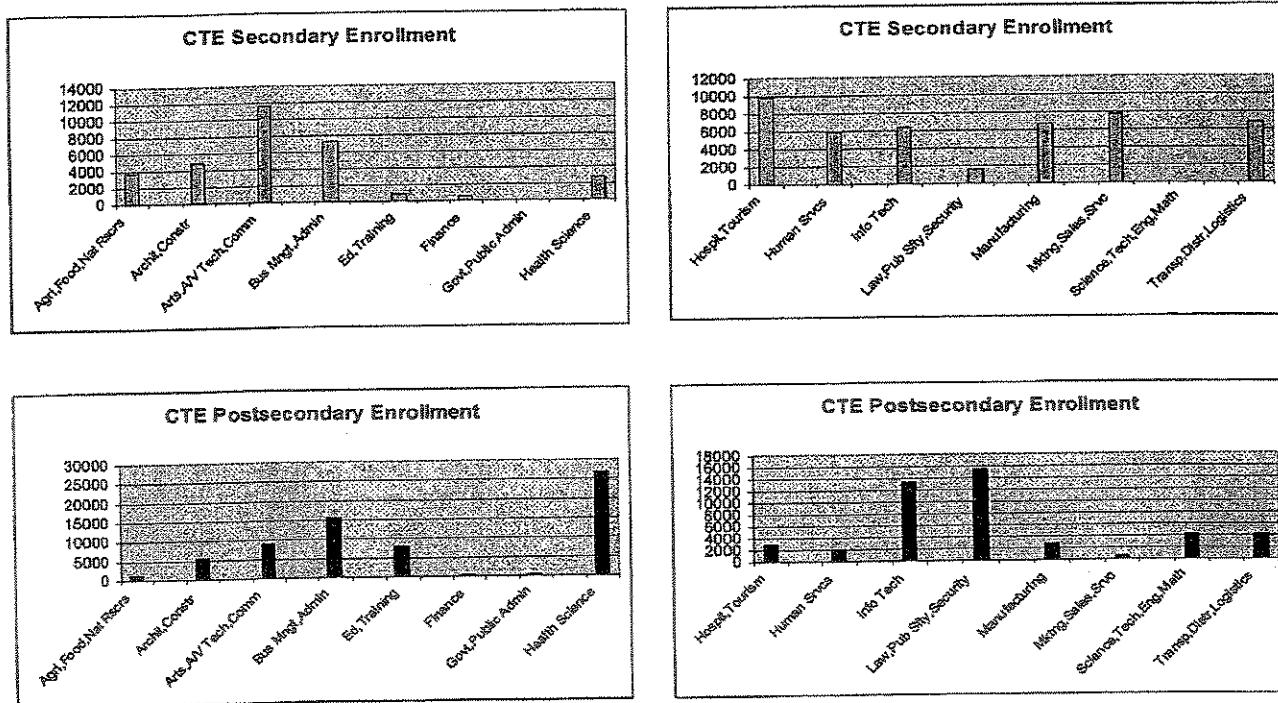
<sup>4</sup>Arizona Career and Technical Education Performance Measures. <http://www.azed.gov/PerfMeasures>. 8/20/07.

<sup>5</sup>Arizona Department of Education, School Finance Unit.

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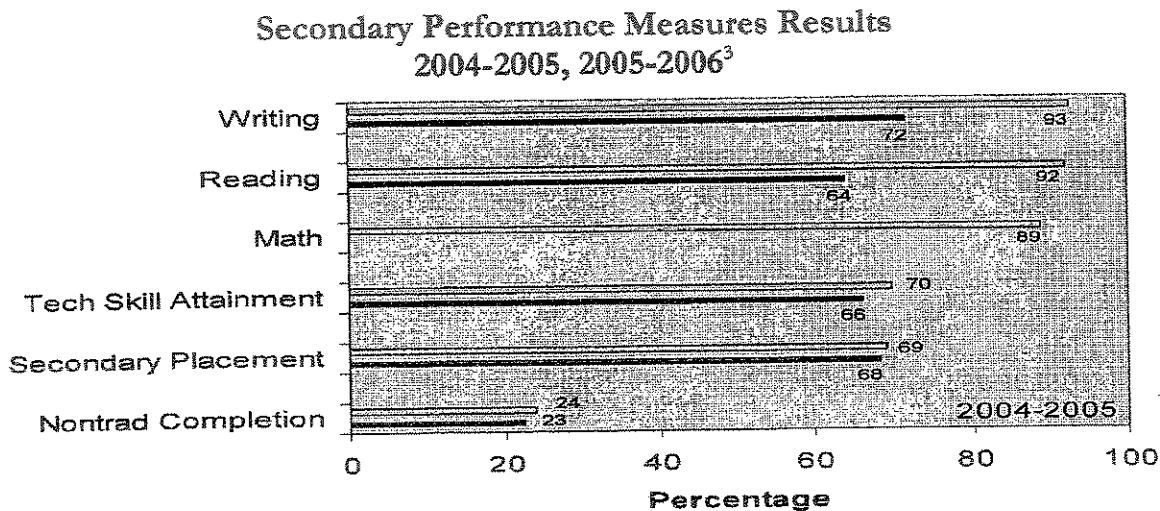
**2005-2006 ARIZONA SECONDARY AND POSTSECONDARY  
ENROLLMENT BY CTE CAREER CLUSTER<sup>2</sup>**  
*A visual comparison of Secondary to Postsecondary trends*



To Quote:

“The direction in which education starts a man will determine his future life.”

- Plato, *The Republic*



<sup>1</sup>U.S. Department of Labor, President's Community-Based Job Training Grants, <http://www.doleta.gov/business/Community-BasedJobTrainingGrants.cfm>.

<sup>2</sup>State of Arizona 2006 Consolidated Annual Report, Arizona Department of Education, Career and Technical Education.

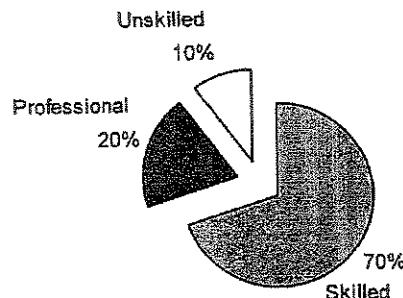
<sup>3</sup>State of Arizona 2005-2006 Secondary Basic Grant Performance Measures Results, Arizona Department of Education, Career and Technical Education.

► 2007 projected classification breakdown  
of the American workforce:<sup>1</sup>

► A survey of 81,000 high school students in 26 states found two-thirds complain of boredom because the subject matter was irrelevant....yet 75% the students surveyed expect to graduate high school and go on to college.<sup>2</sup>

► Elementary school students in San Francisco learn business curriculum as a part of an initiative that "engages students in learning much more than the basic '2-plus-2-is-4' system and gives them a way to connect to their education."<sup>3</sup>

► "Math educators must develop applied math courses that address the specific needs of the students, are relevant to their career path and elevate them to a level of math proficiency required for success in college and the workforce."<sup>4</sup>



## CTE Secondary Program Unduplicated Count School Year 2005-2006

| Program CIP          | CTE Program Title                              | School Sites | Student Enrollment – Grades 11-12* |
|----------------------|------------------------------------------------|--------------|------------------------------------|
| 12.0500              | Culinary Arts                                  | 111          | 9325                               |
| 52.0200              | Bus. Management and Admin Services             | 103          | 6422                               |
| 52.1800              | Marketing, Management and Entrepreneurship     | 101          | 7665                               |
| 13.1200              | Early Childhood Education                      | 93           | 4956                               |
| 15.1200              | Information Technology                         | 93           | 5702                               |
| 15.1300              | Drafting and Design Technology                 | 86           | 3245                               |
| 47.0600              | Automotive Technologies                        | 82           | 6808                               |
| 10.0300              | Graphic Communications                         | 62           | 6046                               |
| 46.0400              | Construction Technologies                      | 61           | 2772                               |
| 10.0200              | Radio/Television Technology                    | 59           | 2482                               |
| 48.0500              | Welding Technology                             | 57           | 2980                               |
| 13.1500              | Education Professions                          | 52           | 683                                |
| 52.0300              | Accounting and Related Services                | 51           | 1107                               |
| 48.0700              | Woodworking                                    | 47           | 1803                               |
| 01.0300              | Agriscience                                    | 46           | 2542                               |
| 51.1600              | Nursing Services                               | 42           | 1436                               |
| 52.1900              | Design and Merchandising                       | 42           | 2299                               |
| 51.0800              | Allied Health Services                         | 39           | 1194                               |
| 12.0400              | Cosmetology                                    | 30           | 593                                |
| 43.0200              | Fire Science                                   | 22           | 412                                |
| 43.0100              | Law, Public Safety and Security                | 18           | 1170                               |
| 15.0300              | Electronic Technology                          | 16           | 501                                |
| 52.0900              | Hospitality Management                         | 15           | 316                                |
| 52.0800              | Financial Services                             | 12           | 501                                |
| 01.0100              | Agricultural Business Management – Agriscience | 9            | 892                                |
| 03.0200              | Renewable Natural Resources                    | 5            | 138                                |
| 01.0600              | Horticulture                                   | 3            | 67                                 |
| 15.0600              | Industrial Manufacturing                       | 2            | 21                                 |
| <b>Grand Totals:</b> |                                                | 1,359        | 74,078                             |

\* Does not include LII program enrollment and may include 9<sup>th</sup> and 10<sup>th</sup> grade student enrollment.

Source: ADE CTE VOCI 27 Unduplicated Count of 9<sup>th</sup>-12<sup>th</sup> grade students 03/30/06

Created by Steve Peterson, M.Ed., Career and Technical Education, [Steve.Peterson@azed.gov](mailto:Steve.Peterson@azed.gov). 602-542-5357.

<sup>1</sup>Breaking Ranks II: Strategies for Leading High School Reform, National Association of Secondary School Principals, February 2007.

<sup>2</sup>Survey: Many U.S. high school students bored in class\*. CNN.com; <http://www.cnn.com/2007/EDUCATION/02/08/students.survey.reut/index.html>

<sup>3</sup>Fifth-graders get an early introduction to business basics. <http://www.cnn.com/digital/stry.mpl/headlines/edu/45579530.html>

<sup>4</sup>High school students need math for workplace. "Arizona Daily Star, 12.20.2008.

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Career & Technical Education



Arizona Department of Education  
Tom Horne, Superintendent of Public Instruction

Educational Services and  
Resources Division

March, 2007  
Issue 17

## CTE FACTS

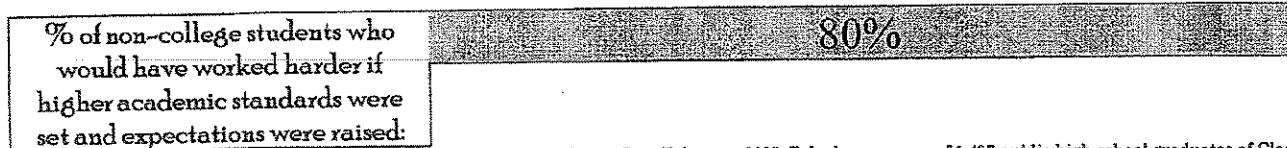
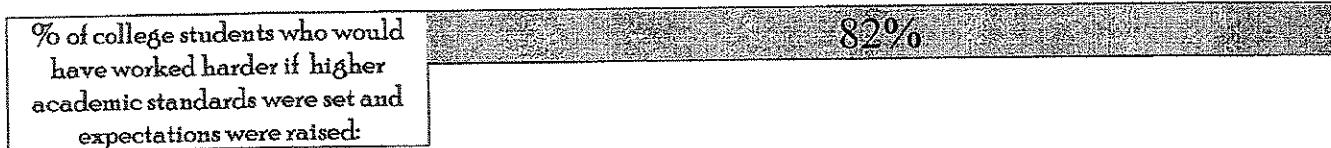
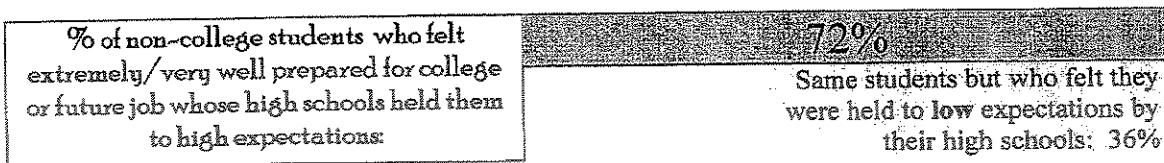
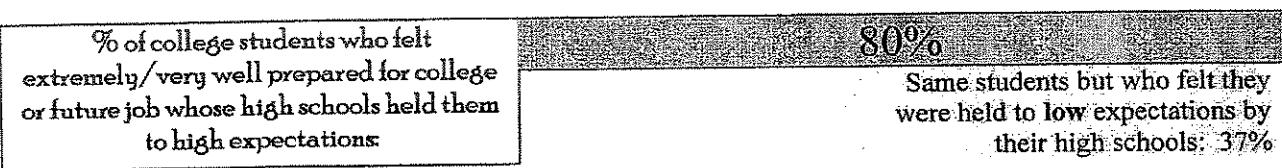
### Career and Technical Education Arizona - Vision

Ensure a dynamic workforce by fully developing every student's career and academic potential.

### Career and Technical Education Arizona - Mission

Prepare Arizona students for workforce success and continuous learning.

## Student Performance and High Expectations



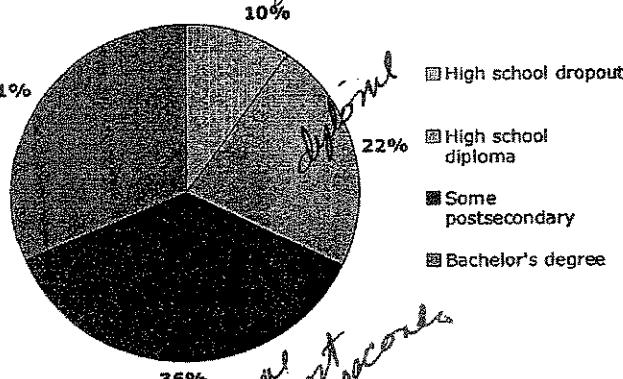
Peter D. Hart Research Associates, Inc./Public Opinion Strategies, Achieve, Inc., February 2005. Telephone survey of 1,487 public high school graduates of Classes of 2002, 2003, 2004; 400 employers who make personnel decisions; 300 instructors of first-year college students.

- “Almost one-third of the state's high school students will drop out...nearly one-third graduate without credits needed to attend a four-year university...many go on to college but fail once they get there...unsure how to make classes translate into a good job...vocational education in high schools is emerging as one solution to many of these problems.” — *The Mercury News*; January 2007; ref CA High Schools.

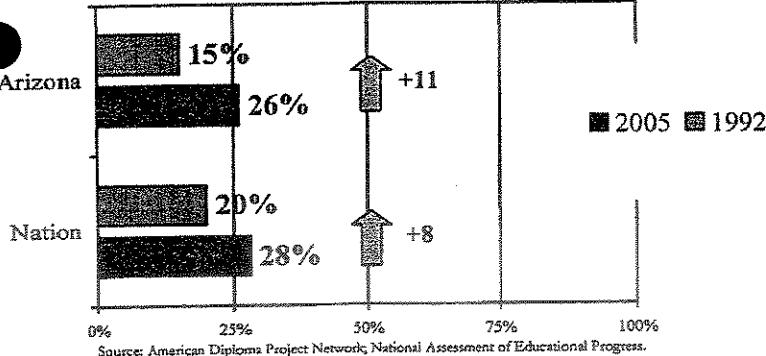
To Quote: “All too often we are giving young people cut flowers when we should be teaching them to grow their own plants.” - John W. Gardner

## Two-Thirds of New Jobs Require at Least Some Postsecondary Education<sup>2</sup>

Share of new jobs, 2000-2010



### -Arizona's Improvement Better than Nation- These are Future CTE Students.... 8th Graders Scoring At or Above Proficient in NAEP Math: 1992-2005



### EVIT Student Crowned "Best Teen Chef"

Ty Leon, a Culinary Arts Concentrator from the East Valley Institute of Technology, just received a scholarship to the Art Institute of Phoenix and will be competing at the National Best Teen Chef Competition May 5.

Created by Steve Peterson, M.Ed., Career and Technical Education, [Steve.Peterson@azk12.gov](mailto:Steve.Peterson@azk12.gov). 602-542-5357.

<sup>2</sup>America's Career and Technical Education 2003, 2004, 2005, 2006 State Data Snapshot of 314407.  
John Bozick, Anthony P. and Donna M. Desimone, Standards for What? The Economic Roots of K-12 Reform, Educational Testing Service, 2003.  
Mike Beyer, President and CEO, Skillsoft Learning, eSchool News, March 2007.  
Utah State Office of Education, Career and Technical Education, <http://www.eschool.utah.gov/ctehighwds.htm>.  
Mark, NCRVE, 2002.  
<sup>3</sup>District of Columbia Chamber of Commerce, State Education Agency (created by the U.S. Dept. of Education), Copyright 2007 The Associated Press.  
<sup>4</sup>Sara K. Sando, The Express Times, March 16, 2007.  
<sup>5</sup>Arizona State Board of Nursing; City Nursing Services for 32207.  
<sup>6</sup>American Diploma Project, 2002; The Associated General Contractors of America (AGC).

The United States has a 95% literacy rate, but only a 34% proficiency rate...meaning adults and children can't read well enough to excel at their jobs or their school work.<sup>3</sup>

Career and Tech Educational graduates find employment 2.2 times faster than graduates from general education programs.<sup>4</sup>

A combination of 60% academic courses and 40% career and technical education is the most effective dropout prevention program in the American High School.<sup>5</sup>

The nation's functional illiteracy rate is 21%. As an example of the heavy cost of illiteracy, the District of Columbia lost \$107 million annually in taxes between 2000 and 2005 due to a lack of qualified job applicants.<sup>6</sup>

Sophomore technical education students from Warren County, NJ do free computer work for other county schools and get real-life work experience. "They get to practice out of the classroom what they have learned. For some of them it has helped them make career choices and formulate their own career paths," John Metroke, Instructor.<sup>7</sup>

Number of active Certified Nursing Assistants recorded by the Arizona State Board of Nursing: 20,980. Registered Nurses: 63,346.<sup>8</sup>

Even blue-collar jobs require high-level skills! These are some of the recommended high school courses for the following positions:<sup>9</sup>

Iron Workers – Algebra, Geometry and Physics

Electricians – Algebra, Geometry, Trigonometry, Physics

Sheet Metal Workers – Algebra, Geometry, Trigonometry, Technical Reading

Draftsmen – Geometry, Trigonometry, Computer Aided Design

Chandler High School is under consideration for its second A+ Award of Excellence. The judges "seemed particularly impressed with the school's new career and technical education center," reports The Arizona Republic in its March 30, 2007 edition.

"The U.S. cannot maintain its economic leadership unless our work force consists of people who have the knowledge and skills needed to drive innovation...and we simply cannot sustain an economy based on innovations unless our citizens are educated in math, science and engineering." – Bill Gates, March 2007.

NCRVE 2007

# State workforce needs eyed

Kingman employers, city leaders, educators offer input  
as part of state review initiated by Napolitano

By Terry Organ

Miner Staff Writer

KINGMAN - Community members came together Wednesday at the Powerhouse Visitor Center for a governor's office P20 regional meeting.

P20 is a designation for education from pre-school through graduate school.

Two meetings were conducted by Dennis Jones, president of the National Center for Higher Education Management Systems based in Boulder, Colo.

"Governor (Janet) Napolitano started the P20 Council in August 2005 as a way to improve alignment between various parts of education and the needs of the state as far as student demands, how to handle growth in enrollment and better serve employers," Jones said.

"The group made a series of recommendations last fall and amongst them was one calling for a set of baseline

information that could be the basis for policy-making about future higher education needs in Arizona."

The NCHEMS was contacted by the P20 Council and asked to do field work related to the recommendation, and that has resulted in extensive statistical analysis in all Arizona counties that goes beyond census figures, Jones said.

Input is being sought in nine communities outside of Maricopa and Pima counties. A meeting was held Tuesday in Lake Havasu City and other communities scheduled for them include Yuma, Prescott, Casa Grande, Sierra Vista and Show Low.

"These are more listening sessions than conferences," Jones said.

Input gathered will be put into a report and submitted to the P20 Council.

The morning session Wednesday was attended by 15 people from the econ-

ic sector, city leaders and major employers. They were asked for their sense of current and future workforce needs.

About 20 K-12 and community college educators attended the afternoon session. Mike Ford, president of the Kingman campus of Mohave Community College, and Mike File, Mohave County superintendent of schools, were among those attendees.

"I went to make sure what we're doing is in line with alignment throughout the state," Ford said. "In order to be aware of it we must attend informational meetings and listen to input from all players."

Ford added he did not come away from the meeting with anything he did not previously know.

See NEEDS, 8A

## Needs

Continued from 3A

"But it's always good to focus and re-focus on issues affecting education," he said.

File was asked to attend at the request of the governor's office.

"I wanted to anyway as it dealt with economic and workforce development," File said. "We have the tech prep program running through our office and I wanted to see if there is any new direction it needs to move in, but the girl directing it is doing a great job."

new. However, he does want to see a change in how schools are funded.

"I see money coming into schools and know the process for it," File said. "What we have to do is get out of the archaic way we have for funding at present."

"We have a revenue control limit in which a district can only generate so much revenue per child. You have

that pocket of money to spend and that's it."

"The only way to get money above-and-beyond is to hold an override election. With everything required in education today it you don't do it according to No Child Left Behind you don't get funded."

Jones said attendance for the two meetings was about what he expected.

**WEDNESDAY MARCH 5, 2008 Last modified:**

Wednesday, November 9, 2005 9:32 PM CST

## Workforce plan projects growing pains

By **JIM SECKLER**

KINGMAN - Despite its rapid growth, Mohave County could face serious economic problems if several issues are not solved.

The Mohave/La Paz Local Workforce Investment Area released a two-year plan for the county for 2005 to 2007.

The plan has identified three main issues to be addressed: The county's low wages, the education system and the county's rising cost of living.

Low wages and rising housing costs could discourage a skilled labor force from moving to Mohave County.

The increasing prices of homes reduce the ability of low- to average-wage earners to buy a home.

High school, community colleges and four-year colleges are also needed to educate a skilled workforce.

One of five jobs in the county are in city, county, state, tribal or federal government agencies. Rapid growth is also seen in retail, construction and health care jobs.

Many jobs in Bullhead City and Kingman are government- or retail-related. Many Lake Havasu City jobs are in construction and health care.

One of the workforce's goals is to streamline the one-stop delivery system and use federal and state grants for apprenticeship and job training programs. Another goal is to develop youth programs through private and public sector partnerships and to work with local schools.

Other goals are to provide education, training and job placement for adults, older adults, youth, the disabled worker, unemployed and the underemployed.

Industries expected to grow in Mohave County are health care and social assistance services, construction, tourism, law enforcement and fire, education, business and transportation and communications.

Mohave County's median age will rise from 42 now to 50 by the year 2050. With the baby boomers reaching retirement age, health care needs will rise.

A growing percent of county residents, especially in Bullhead City and Lake Havasu City, are 55 years old or older, according to the plan.

Construction jobs will also increase with the rapid growth of the county and the increasing need of assisted living facilities and retirement communities.

With the county's climate and its proximity to the Grand Canyon, Las Vegas, the Colorado River, local casinos and other attractions, staff for local resorts and hotels will also be needed.

The 4.63 percent growth rate of the county's labor force exceeds the 1.33 percent growth rate of the state. Since 1995, new county residents make up 59 percent of the population.

The biggest demand for skilled workers in the next two years in Mohave County will be in health care support jobs at more than 13 percent growth.

Health care nurses and technical jobs will rise more than 12 percent and construction will rise more than 10 percent.

Other jobs that will see growth are engineering, manufacturing, computers, education and business or financial. Jobs that will see a decrease are in farming, fishing and forestry.

According to the Workforce Investment Area study, the county's skilled labor availability currently is below average, which can deter health care industries and manufacturing employers.

Technical and management skilled labor availability in the county is also below average.

Unskilled, semiskilled and clerical labor availability is average to above average.

More than half the jobs in the United States will require some education beyond high school, according to the workforce plan.

Only 9.8 percent of Mohave County residents have a college degree or higher. For Latinos in Mohave County, only 1.9 percent have college degrees or higher.

About 22 percent of county residents have less than a high school degree. Mohave County's 7.7 percent dropout rate is higher than the state's 5.8 percent dropout rate for the 2003/2004 school year.

The North River Economic Region is one of 11 economic development regions created last year throughout the state.

The NRER was formed to bring economic growth to La Paz and Mohave counties. NRER meets on a quarterly basis. The next meeting is Nov. 29 in Lake Havasu City.

The North River Economic Region also supports and works with the Mohave/La Paz Local Workforce Investment Area.

Several North River Economic Region objectives are to reach out to businesses to monitor workforce needs. Another goal is to further market the One-Stop Centers through the Internet.

NRER also plans to develop skill training for private and public companies, expand the annual job fair, and solicit training programs from companies.

Another NRER goal is to create apprenticeship and internship programs and on-the-job training at local businesses.